**Grade\_\_\_\_3\_\_\_\_\_ Math Pacing Guide**

**INTRODUCTION**

**Instructional Week \_\_\_1-36\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| This curriculum map was created to target each GLE, SPI, and CFU prior to TCAP. At the teacher’s discretion, it may be necessary to adjust your time frame for some lessons to be shortened or extended, if needed. You must stay within the time frame of each quarter.  It is suggested that you incorporate daily review and drill/practice activities such as: a word problem of the day, basic addition, subtraction, multiplication, and division facts. TN pages could be used as review.  Teachers may choose to use the topic assessments. Some tests may need to be teacher generated due to a variety of topics covered in the selected time period. |  |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_\_\_1-2\_\_\_\_\_**

**Academic Vocabulary: reasonableness, inverse relationships**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| .    Place Value, Expanded Standard and Word Form, Comparing Numbers, Addition, Subtraction   | **BOOK RESOURCES**  **WEEK 1 AND 2**  Topic 1-1 Pages 4,5  1-2 6,7  1-3 8,9  1-5 12,13,14  1-6 16, 17  Topic 2-2 Pages 34,35  2-5 44,45,46  2-6 48,49  Topic 3-3 Pages 72,73  3-4 74,75,76  Topic 6-6 Pages 152,153  Topic 9-7 Pages 222,223  Topic 13-5 Pages 320,321  Topic 19-1 Pages 436,437 |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_\_1-2 (cont.)\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| GLE 0306.2.1 Understand the place value of whole numbers to ten-thousands place including expanded notation for all arithmetic operations.  SPI 0306.2.1 Read and write numbers up to 10,000 in numerals and up to 1,000 in words.  **(TN 16)** | **BrainPOP Jr.** [Even and Odd](http://www.brainpopjr.com/math/numbersense/evenandodd/)  **BrainPOP Jr.** [Basic Addition](http://www.brainpopjr.com/math/additionandsubtraction/basicadding/)  **BrainPOP Jr.** [Basic Subtraction](http://www.brainpopjr.com/math/additionandsubtraction/)  **BrainPOP Jr.** [One Hundred](http://www.brainpopjr.com/math/numbersense/onehundred/)  **BrainPOP Jr.** [Adding and Subtracting Tens](http://www.brainpopjr.com/math/additionandsubtraction/addingandsubtractingtens/)  **BrainPOP Jr.** [Counting On](http://www.brainpopjr.com/math/additionandsubtraction/countingon/)  **BrainPOP Jr.** [Doubles](http://www.brainpopjr.com/math/additionandsubtraction/doubles/)  **BrainPOP Jr.** [Making Ten](http://www.brainpopjr.com/math/additionandsubtraction/makingten/)  **BrainPOP Jr.** [Comparing Numbers](http://www.brainpopjr.com/math/numbersense/comparingnumbers/)  **BrainPOP Jr.** [Place Value](http://www.brainpopjr.com/math/numbersense/placevalue/)  **BrainPOP** [Rounding](http://www.brainpop.com/math/numbersandoperations/rounding/)  **BrainPOP** [Division](http://www.brainpop.com/math/numbersandoperations/division/)  **BrainPOP** [Multiplication](http://www.brainpop.com/math/numbersandoperations/multiplication/)  [There Must Be Thousands](http://www.beaconlearningcenter.com/WebLessons/ThereMustBeThousands/default.htm)  [What’s Your Name?](http://www.beaconlearningcenter.com/WebLessons/WhatsYourName/default.htm)  ----------------------------------------------------------------------------------------  **BrainPOP Jr.** [Time to the Hour](http://www.brainpopjr.com/math/time/timetothehour/)  **BrainPOP Jr.** [One Hundred](http://www.brainpopjr.com/math/numbersense/onehundred/)  **BrainPOP Jr.** [Place Value](http://www.brainpopjr.com/math/numbersense/placevalue/)  **BrainPOP Jr.** [Calendar and Dates](http://www.brainpopjr.com/math/calendar/calendaranddates/)  **BrainPOP** [Roman Numerals](http://www.brainpop.com/math/numbersandoperations/romannumerals/)  **BrainPOP** [Decimals](http://www.brainpop.com/math/numbersandoperations/decimals/)  [Read and Recognize Numbers](http://www.funbrain.com/numwords/index.html)  [Power Point](http://www.primaryresources.co.uk/maths/powerpoint/Reading_and_Writing_Numbers.ppt)  Read and Write Numbers  [What’s Your Name?](http://www.beaconlearningcenter.com/WebLessons/WhatsYourName/default.htm)  [Reading and Writing Big Numbers](http://www.bbc.co.uk/skillswise/numbers/wholenumbers/whatarenumbers/writingbignumbers/) |

**Grade\_\_3\_\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_1-2 (CONT.)\_\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| SPI 0306.2.2 Identify the place value of numbers in the ten-thousands, thousands, hundreds, tens, and ones positions.  SPI 0306.2.3 Convert between expanded and standard form with whole numbers to 10,000 | DEA Resources:  [Estimation, Base Ten Blocks, Expanded No...](http://player.discoveryeducation.com/index.cfm?guidAssetId=8af0c2b1-8912-4969-ac87-de37d80310e8&blnPopup=1&productCode=DEA)  [http://fen.funbrain.com/numwords/index.h...](http://fen.funbrain.com/numwords/index.html)  [Lesson 6: Working with Large Numbers and...](http://player.discoveryeducation.com/index.cfm?guidassetid=183fe5a2-298c-4c8a-aa13-ceffe8e2769d)  ---------------------------------------------  **BrainPOP Jr.** [Comparing Numbers](http://www.brainpopjr.com/math/numbersense/comparingnumbers/)  **BrainPOP Jr.** [Even and Odd](http://www.brainpopjr.com/math/numbersense/evenandodd/)  **BrainPOP Jr.** [One Hundred](http://www.brainpopjr.com/math/numbersense/onehundred/)  **BrainPOP Jr.** [Place Value](http://www.brainpopjr.com/math/numbersense/placevalue/)  **BrainPOP** [Rounding](http://www.brainpop.com/math/numbersandoperations/rounding/)  **BrainPOP** [Roman Numerals](http://www.brainpop.com/math/numbersandoperations/romannumerals/)  [Skillswise Comparing Numbers](http://www.bbc.co.uk/skillswise/numbers/wholenumbers/whatarenumbers/comparing/)  [Toon University Place Value Game](http://www.toonuniversity.com/aol/3m_placv.swf)  [Math Slice Place Value Game](http://www.mathslice.com/placevalue.php)  [My Place](http://www.beaconlearningcenter.com/WebLessons/MyPlace/default.htm)  [Place Value Teaching Video](http://www.linkslearning.org/Kids/1_Math/2_Illustrated_Lessons/3_Place_Value/index.html)  [Place Values and Addition](http://www.aaamath.com/B/add31dx1.htm)  DEA Resource:  [Lesson 1: Getting Started](http://player.discoveryeducation.com/index.cfm?guidassetid=40240201-e223-497c-b888-1ecb96aaf81e)  --------------------------------------------  **BrainPOP** [Standard and Scientific Notation](http://www.brainpop.com/math/numbersandoperations/standardandscientificnotation/)  [Odd and Even Numbers online practice](http://www.ngfl-cymru.org.uk/vtc/explore_num_seq/eng/Introduction/MainSessionPart1.swf)  [Math Studio Even or Odd game](http://www.crickweb.co.uk/assets/resources/flash.php?&file=npmenu)   AAA Math Even or Odd  [Expanded Form Worksheet](http://www.tlsbooks.com/expandedform1.pdf)  DEA Resources:   * [Estimation, Base Ten Blocks, Expanded No...](http://player.discoveryeducation.com/index.cfm?guidAssetId=8af0c2b1-8912-4969-ac87-de37d80310e8&blnPopup=1&productCode=DEA) * <http://www.aaaknow.com/g31d_px1.htm> * [The Test](http://player.discoveryeducation.com/index.cfm?guidassetid=45e62eff-a4e3-4ed0-8eea-6df095c88f64) |

**Grade\_\_3\_\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_\_1-2 cont.\_\_\_\_\_\_**

**Academic Vocabulary:**

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| --- | --- |
| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| SPI 0306.2.4 Compare and order numbers up to 10,000 using the words less than, greater than, and equal to, and the symbols <, >, **=. (TN 19**)  .  SPI 0306.2.9 Solve contextual problems involving the addition (with and without regrouping) and subtraction (with and without regrouping) of two- and three digit whole numbers. *(without regrouping****) (TN 21)*** | **BrainPOP Jr.** [Comparing Numbers](http://www.brainpopjr.com/math/numbersense/comparingnumbers/)  **BrainPOP** [Inequalities](http://www.brainpop.com/math/dataanalysis/inequalities/)  PowerPoint [Place in the Correct Order](http://jc-schools.net/dynamic/math/ppt/correctordertpl.ppt)  [Order & Compare](http://www.primaryresources.co.uk/maths/mathsB5.htm)  [Comparing Numbers to 20](http://www.aaaknow.com/cmpk1cx2.htm)  [Ordering 1-Digit Whole Numbers](http://www.aaaknow.com/cmp11bx2.htm)  Comparing Numbers to 10,000  DEA Resources   * [Whole Number Relationships](http://player.discoveryeducation.com/index.cfm?guidAssetId=0ad4ce3c-a03f-4396-89d1-1f2db06e8a63&blnPopup=1&productCode=DEA) * [http://www.shodor.org/interactivate/acti...](http://www.shodor.org/interactivate/activities/MoreOrLessEstimator/?version=disabled&browser=Opera&vendor=na) * [Example 2: Comparing One- and Two-Digit ...](http://player.discoveryeducation.com/index.cfm?guidassetid=5d077993-92b4-4435-ac19-377c7c9da7ca)   --------------------------------------------------------------  **BrainPOP Jr.** [Adding with Regrouping](http://www.brainpopjr.com/math/additionandsubtraction/addingwithregrouping/)  **BrainPOP Jr.** [Basic Subtraction](http://www.brainpopjr.com/math/additionandsubtraction/)  **BrainPOP Jr.** [Basic Addition](http://www.brainpopjr.com/math/additionandsubtraction/basicadding/)  **BrainPOP Jr.** [Making Ten](http://www.brainpopjr.com/math/additionandsubtraction/makingten/)  PowerPoint [Subtraction Across a Zero](http://jc-schools.net/dynamic/math/ppt/Subtraction%20Across%20a%20Zero.ppt)  PowerPoint [Subtraction with regroup](http://jc-schools.net/dynamic/math/ppt/Subtraction%20With%20Regrouping.ppt)    DEA Resources:   * [Estimating Computations](http://player.discoveryeducation.com/index.cfm?guidAssetId=c83a3762-d6f5-4d47-bfea-af08215b688a&blnPopup=1&productCode=DEA) * [http://www.janbrett.com/piggybacks/round...](http://www.janbrett.com/piggybacks/rounding.htm#quiz) * [Viewers' Challenge](http://player.discoveryeducation.com/index.cfm?guidassetid=3b372fa6-6769-4df6-98c4-8066f7417f58) |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_1-2 (cont.)\_\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| 0306.2.1 Represent whole numbers up to 10,000 using various models (such as base-ten blocks, number lines, place-value charts) and in standard form, written form, and expanded form.  -----------------------------------------------------------  0306.2.2 Understand and use the symbols =, < and > to signify order and comparison.  -------------------------------------------------------------  0306.2.3 Use parentheses to indicate grouping.  **(TN 18)**  -----------------------------------------------------------  0306.2.4 Use a variety of methods to perform mental computations and compare the efficiency of those methods.  ---------------------------------------------------------------  0306.2.5 Use highest order value (such as tens or hundreds digit) to make simple estimates.  **(TN 4-5)**  ------------------------------------------------------------------  0306.2.6 Solve a variety of addition and subtraction story problems including those with irrelevant information | [AAA Math Counting By Tens](http://www.aaastudy.com/g3_25gx1.htm)  Ghostblasters Multiples of 10 Game    [Higher and Lower](http://www.wmnet.org.uk/resources/gordon/Higher%20And%20Lower%20-%20Reveal%20and%20Order%20v6.swf)  [Alligator Lunch](http://www.beaconlearningcenter.com/WebLessons/AlligatorLunch/default.htm)  [Comparing Numbers Practice](http://www.quia.com/pop/7512.html)  [Comparison Symbols](http://www.haelmedia.com/html/mc_m3_003.html)  XXXXXXXXXXXXXXXXX  -------------------------------------------------------------  XXXXXXXXXXXXXXXXX  -----------------------------------------------------------------  XXXXXXXXXXXXXXXXX  -------------------------------------------------------------  [Is That a Fact?](http://www.beaconlearningcenter.com/WebLessons/IsThatAFact/default.htm)  [Activity](http://www.aaaknow.com/g36a_cx1.htm) |

**Grade\_3\_\_\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_\_3, 4, 5\_\_\_\_\_\_**

**Academic Vocabulary: decimal, numerator, denominator, unit fraction, change (money)**

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| --- | --- |
| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| .  .  .  Calendar, Change, Fractions, Symbolic Expressions  .  . | Topics and Page Numbers for Weeks 3, 4, and 5  Topic 1-7 Pages 18, 19, 20, 21  1-8 22, 23  1-9 24, 25  Topic 2-10 Pages 58, 59  Topic 3-2 Pages 68, 69, 70, 71  3-5 78, 79  Topic 5-5 Pages 118, 119, 120, 121  Topic 6-7 Pages 154, 155, 156, 157  Topic 7-5 Pages 174, 175, 176, 177  Topic 8-6 Pages 196, 197, 198, 199  Topic 10-8 Pages 252, 253  Topic 12-6 Pages 288, 289  12-8 294, 295  12-9 296, 297  12-10 298, 299  Topic 13-5 Pages 320, 321  Topic 15-5 Pages 360, 361  Topic 16-4 Pages 374, 375  16-8 384, 385  Topic 17-1 Pages 392, 393, 394, 395  17-2 396, 397  17-3 398, 399  Topic 19-6 Pages 448, 449, 450, 451  TN Pages 14, 15, 61 |

**Grade\_\_3\_\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_3,4,5\_\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| GLE 0306.1.1 Use mathematical language, symbols, and definitions while developing mathematical reasoning.  ---------------------------------------------------------------  GLE 0306.1.2 Apply and adapt a variety of appropriate strategies to problem solving, including estimation, and reasonableness of the solution  -----------------------------------------------------------  GLE 0306.1.3 Develop independent reasoning to communicate mathematical ideas and derive algorithms and/or formulas  ----------------------------------------------------------  GLE 0306.1.4 Move flexibly between concrete and abstract representations of mathematical ideas in order to solve problems, model mathematical ideas, and communicate solution strategies. | [Games that include all number processes](http://www.bbc.co.uk/schools/ks2bitesize/maths/number/)  [Cool Math for Kids- All areas in math](http://www.coolmath4kids.com/)  **BrainPOP** [Word Problems](http://www.brainpop.com/math/dataanalysis/wordproblems/)  -------------------------------------------  [Estimation Practice](http://www.atschool.co.uk/keystage2/default.asp)  **BrainPOP Jr.** [Basic Addition](http://www.brainpopjr.com/math/additionandsubtraction/basicadding/)  **BrainPOP Jr.** [Basic Subtraction](http://www.brainpopjr.com/math/additionandsubtraction/)  **BrainPOP** [Word Problems](http://www.brainpop.com/math/dataanalysis/wordproblems/)  **BrainPOP** [Estimating](http://www.brainpop.com/math/geometryandmeasurement/estimating/)  **BrainPOP** [Problem Solving Using Tables](http://www.brainpop.com/math/dataanalysis/problemsolvingusingtables/)  **BrainPOP** [Rounding](http://www.brainpop.com/math/numbersandoperations/rounding/)  **BrainPOP** [Using a Calculator](http://www.brainpop.com/math/dataanalysis/usingacalculator/)  --------------------------------------  XXXXXXXXXXXXXXXXXX  --------------------------------------  [Power Point](http://www.pasadenaisd.org/teachertoolbox/PPts/Problem%20Solving.ppt#287,13,TAKS BASED PROBLEM SOLVING MODEL) Problem Solving Strategies  **BrainPOP Jr.** [Basic Addition](http://www.brainpopjr.com/math/additionandsubtraction/basicadding/)  **BrainPOP Jr.** [Basic Subtraction](http://www.brainpopjr.com/math/additionandsubtraction/)  **BrainPOP Jr.** [One Hundred](http://www.brainpopjr.com/math/numbersense/onehundred/)  **BrainPOP Jr.** [Making Equal Groups](http://www.brainpopjr.com/math/multiplicationanddivision/makingequalgroups/)  **BrainPOP** [Word Problems](http://www.brainpop.com/math/dataanalysis/wordproblems/)  **BrainPOP** [Game Theory](http://www.brainpop.com/socialstudies/economics/gametheory/)  **BrainPOP** [Problem Solving Using Tables](http://www.brainpop.com/math/dataanalysis/problemsolvingusingtables/)  **BrainPOP** [Using a Calculator](http://www.brainpop.com/math/dataanalysis/usingacalculator/) |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_3,4,5\_\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| GLE 0306.1.5 Use mathematical ideas and processes in different settings to formulate patterns, analyze graphs, set up and solve problems and interpret solutions  -----------------------------------------------------------------------------  GLE 0306.1.6 Read and interpret the language of mathematics and use written/oral communication to express mathematical ideas precisely  -----------------------------------------------------------------------------  GLE 0306.1.7 Recognize the historical development of mathematics, mathematics in context, and the connections between mathematics and the real world  ---------------------------------------------------------------- | **BrainPOP Jr.** [Basic Addition](http://www.brainpopjr.com/math/additionandsubtraction/basicadding/)  **BrainPOP Jr.** [Basic Subtraction](http://www.brainpopjr.com/math/additionandsubtraction/)  **BrainPOP Jr.** [Tally Charts and Bar Graphs](http://www.brainpopjr.com/math/data/tallychartsandbargraphs/)  **BrainPOP Jr.** [Making Ten](http://www.brainpopjr.com/math/additionandsubtraction/makingten/)  **BrainPOP Jr.** [Patterns](http://www.brainpopjr.com/math/geometry/patterns/)  **BrainPOP** [Word Problems](http://www.brainpop.com/math/dataanalysis/wordproblems/)  **BrainPOP** [Problem Solving Using Tables](http://www.brainpop.com/math/dataanalysis/problemsolvingusingtables/)  **BrainPOP** [Graphs](http://www.brainpop.com/math/dataanalysis/graphs/)  **BrainPOP** [Game Theory](http://www.brainpop.com/socialstudies/economics/gametheory/)  **BrainPOP** [Coordinate Plane](http://www.brainpop.com/math/geometryandmeasurement/coordinateplane/)  -----------------------------------------  **BrainPOP Jr.** [Comparing Numbers](http://www.brainpopjr.com/math/numbersense/comparingnumbers/)  **BrainPOP Jr.** [One Hundred](http://www.brainpopjr.com/math/numbersense/onehundred/)  **BrainPOP Jr.** [Parts of a Clock](http://www.brainpopjr.com/math/time/partsofaclock/)  **BrainPOP** [Game Theory](http://www.brainpop.com/socialstudies/economics/gametheory/)  **BrainPOP** [Inequalities](http://www.brainpop.com/math/dataanalysis/inequalities/)  ----------------------------------------  **BrainPOP Jr.** [One Hundred](http://www.brainpopjr.com/math/numbersense/onehundred/)  **BrainPOP** [Game Theory](http://www.brainpop.com/socialstudies/economics/gametheory/)  **BrainPOP** [Using a Calculator](http://www.brainpop.com/math/dataanalysis/usingacalculator/)  [Create a Graph](http://nces.ed.gov/nceskids/createagraph/default.aspx)  --------------------------------------------- |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_\_3,4,5\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| GLE 0306.1.8 Use technologies/manipulatives appropriately to develop understanding of mathematical algorithms, to facilitate problem solving, and to create accurate and reliable models of mathematical concepts.  ------------------------------------------------------------------------------  SPI 0306.1.1 Solve problems using a calendar. **(TN 59)** | **BrainPOP Jr.** [Comparing Numbers](http://www.brainpopjr.com/math/numbersense/comparingnumbers/)  **BrainPOP Jr.** [One Hundred](http://www.brainpopjr.com/math/numbersense/onehundred/)  **BrainPOP Jr.** [Basic Addition](http://www.brainpopjr.com/math/additionandsubtraction/basicadding/)  **BrainPOP Jr.** [Basic Subtraction](http://www.brainpopjr.com/math/additionandsubtraction/)  **BrainPOP Jr.** [Adding and Subtracting Tens](http://www.brainpopjr.com/math/additionandsubtraction/addingandsubtractingtens/)  **BrainPOP Jr.** [Basic Parts of a Whole](http://www.brainpopjr.com/math/fractions/basicpartsofawhole/)  **BrainPOP Jr.** [Counting Coins](http://www.brainpopjr.com/math/money/countingcoins/)  **BrainPOP Jr.** [Adding with Regrouping](http://www.brainpopjr.com/math/additionandsubtraction/addingwithregrouping/)  **BrainPOP Jr.** [Dollars and Cents](http://www.brainpopjr.com/math/money/dollarsandcents/)  **BrainPOP Jr.** [Making Ten](http://www.brainpopjr.com/math/additionandsubtraction/makingten/)  **BrainPOP Jr.** [Arrays](http://www.brainpopjr.com/math/multiplicationanddivision/arrays/)  **BrainPOP Jr.** [Making Equal Groups](http://www.brainpopjr.com/math/multiplicationanddivision/makingequalgroups/)  **BrainPOP Jr.** [Place Value](http://www.brainpopjr.com/math/numbersense/placevalue/)  **BrainPOP** [Adding and Subtracting Fractions](http://www.brainpop.com/math/numbersandoperations/addingandsubtractingfractions/)  **BrainPOP** [Using a Calculator](http://www.brainpop.com/math/dataanalysis/usingacalculator/)  **BrainPOP** [Word Problems](http://www.brainpop.com/math/dataanalysis/wordproblems/)  **BrainPOP** [Game Theory](http://www.brainpop.com/socialstudies/economics/gametheory/)  -------------------------------------------------  [Number Cracker (math pattern game)](http://www.funbrain.com/cracker/index.html)  [Eduplace Finish and Extend Patterns](http://www.eduplace.com/kids/hmm/practice/templates/rules.jsp?ID=hmm07_ep/gr5/1602&GRADE=5&UNIT=6&CHAPTER=16&LESSON=2&UNIT_TITLE=Geometry%20and%20Measurement&CH)  [It’s A Date](http://www.beaconlearningcenter.com/WebLessons/ItsADate/default.htm)  [Blank Calendar Template](http://www.fi.edu/time/Journey/JustInTime/caltemp.html)  **BrainPOP** [Leap Year](http://www.brainpop.com/science/motionsforcesandtime/leapyear/)  **BrainPOP Jr.** [Parts of a Clock](http://www.brainpopjr.com/math/time/partsofaclock/)  **BrainPOP Jr.** [Calendar and Dates](http://www.brainpopjr.com/math/calendar/calendaranddates/)  DEA Resources:   * [Calendars](http://player.discoveryeducation.com/index.cfm?guidAssetId=9e49a1e0-20a6-4962-beb2-394de6e59687&blnPopup=1&productCode=DEA) * [Introduction](http://player.discoveryeducation.com/index.cfm?guidassetid=019937c5-5936-4eca-a826-ece783ccbc9c) |

**Grade\_\_\_\_3\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_3,4,5\_\_\_\_\_\_\_**

**Academic Vocabulary:**

|  |  |
| --- | --- |
| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| SPI 0306.1.3 Determine the correct change from a transaction less than a dollar. *(to 50 cents)*  **(TN 20)**  ---------------------------------------------------------------------------------  SPI 0306.1.4 Match the spoken, written, concrete, and pictorial representations of fractions with denominators up to ten. **(TN 48)** | DEA Resources:   * [Using Dollar Signs & Decimals](http://player.discoveryeducation.com/index.cfm?guidAssetId=2c79ed33-601d-40e1-b8e7-4e0db7678f90&blnPopup=1&productCode=DEA) * [Counting Coins](http://player.discoveryeducation.com/index.cfm?guidAssetId=e2951d1e-6a49-4441-810c-9ed755aae590&blnPopup=1&productCode=DEA) * [Lesson 5: Adding Dollars and Cents](http://player.discoveryeducation.com/index.cfm?guidassetid=a3655825-9315-4b1c-be94-70b07ef2a526)   [Funbrain Change Maker](http://www.funbrain.com/cashreg/index.html)  [Mr. Nussbaum Cash Out game](http://www.mrnussbaumgames.com/cashout/index.html)  [Cash Out](http://www.mrnussbaum.com/cashd.htm)  [Funbrain Change Maker](http://www.funbrain.com/cashreg/)  [Making Change](http://www.beaconlearningcenter.com/WebLessons/MakingChange/default.htm)  -------------------------------------------  [Fraction Match Game](http://www.harcourtschool.com/activity/con_math/g03c21.html)  [Flowering Fractions](http://www.beaconlearningcenter.com/WebLessons/FloweringFractions/default.htm)  [Who Wants Pizza?](http://math.rice.edu/~lanius/fractions/index.html)  [Power Point](http://www.pasadenaisd.org/teachertoolbox/PPts/fractions.ppt) Fractions  [Matching](http://www.mathsisfun.com/equivalent_fractions.html)  [Different Fraction Sites](http://www.aaamath.com/fra.html)  DEA Resources:   * [Fractions & a Picnic](http://player.discoveryeducation.com/index.cfm?guidAssetId=82d46648-a28e-47f3-8a0d-c6b4ed4e1535&blnPopup=1&productCode=DEA) * [Making Wholes from a Combination of Halv...](http://player.discoveryeducation.com/index.cfm?guidassetid=7b09a9ff-1f15-41a9-8afd-59a6205840ac)   **BrainPOP Jr.** [Basic Parts of a Whole](http://www.brainpopjr.com/math/fractions/basicpartsofawhole/)  **BrainPOP Jr.** [Comparing Numbers](http://www.brainpopjr.com/math/numbersense/comparingnumbers/)  **BrainPOP Jr.** [One Hundred](http://www.brainpopjr.com/math/numbersense/onehundred/)  **BrainPOP Jr.** [Place Value](http://www.brainpopjr.com/math/numbersense/placevalue/)  **BrainPOP** [Adding and Subtracting Fractions](http://www.brainpop.com/math/numbersandoperations/addingandsubtractingfractions/)  **BrainPOP** [Multiplying and Dividing Fractions](http://www.brainpop.com/math/numbersandoperations/multiplyinganddividingfractions/)  **BrainPOP** [Inequalities](http://www.brainpop.com/math/dataanalysis/inequalities/)  **BrainPOP** [Mixed Numbers](http://www.brainpop.com/math/numbersandoperations/mixednumbers/)  **BrainPOP** [Rational and Irrational Numbers](http://www.brainpop.com/math/numbersandoperations/rationalandirrationalnumbers/)  **BrainPOP** [Word Problems](http://www.brainpop.com/math/dataanalysis/wordproblems/) |

**Grade\_\_3\_\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_3, 4, 5\_(cont.)\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| SPI 0306.1.5 Represent problems mathematically, using diagrams, numbers, and symbolic expressions.**(TN 22)**  ------------------------------------------------------------------------------------  0306.1.1 Read and write time to the nearest minute  --------------------------------------------------------------------------------------------------  0306.1.2 Compare and order decimal amounts in the context of money. *(to $1)* | **BrainPOP Jr.** [One Hundred](http://www.brainpopjr.com/math/numbersense/onehundred/)  **BrainPOP Jr.** [Time to the Hour](http://www.brainpopjr.com/math/time/timetothehour/)  **BrainPOP Jr.** [Making Equal Groups](http://www.brainpopjr.com/math/multiplicationanddivision/makingequalgroups/)  **BrainPOP** [Inequalities](http://www.brainpop.com/math/dataanalysis/inequalities/)  **BrainPOP** [Problem Solving Using Tables](http://www.brainpop.com/math/dataanalysis/problemsolvingusingtables/)  **BrainPOP** [Word Problems](http://www.brainpop.com/math/dataanalysis/wordproblems/)  **BrainPOP** [Game Theory](http://www.brainpop.com/socialstudies/economics/gametheory/)  **BrainPOP** [Roman Numerals](http://www.brainpop.com/math/numbersandoperations/romannumerals/)  **DEA Resources:**   * [Mental Math](http://player.discoveryeducation.com/index.cfm?guidAssetId=4224142a-ed99-48cd-8789-f30b3339cc83&blnPopup=1&productCode=DEA) * [Estimating Computations](http://player.discoveryeducation.com/index.cfm?guidAssetId=c83a3762-d6f5-4d47-bfea-af08215b688a&blnPopup=1&productCode=DEA) * [Dialogue to Understand Problems](http://player.discoveryeducation.com/index.cfm?guidassetid=581ba9a9-9df2-4e64-a727-f40d7f906dd9)   -------------------------------------------  [Telling Time to the Minute](http://www.studyzone.org/testprep/math4/e/timeminute.swf)  [Time to nearest minute worksheet](http://www.edhelper.com/math/time_sg415.htm)  [Circle Time to nearest minute worksheet](http://www.edhelper.com/math/time_sg417.htm)  [Learn to Tell Time](http://www.arcytech.org/java/clock/telling_time.html)  [Practice](http://www.amblesideprimary.com/ambleweb/mentalmaths/clock.html)  [Time Practice](http://www.oswego.org/ocsd-web/games/StopTheClock/sthec3.html)  [Telling Time Worksheets](http://www.dositey.com/math/time.htm)  -----------------------------------------------  [Put Money Amounts in Order](http://www.ixl.com/math/practice/grade-3-put-money-amounts-in-order)  [Movie](http://www.brainpopjr.com/math/money/)  [Practice](http://www.coe.uh.edu/archive/math/math_lessons/mathles3/tutor.htm)  [Ordering by Decimal](http://www.beaconlearningcenter.com/WebLessons/ShowMeTheMoney/default.htm) |

**Grade\_\_\_\_3\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_\_3,4,5\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| 0306.1.3 Count the value of combinations of coins and bills up to five dollars. *(to $1)*  -------------------------------------------------------------------------------  0306.1.4 Analyze problems by identifying relationships, distinguishing relevant from irrelevant information, and observing patterns.  ------------------------------------------------------------------------------  0306.1.5 Determine when and how to break a problem into simpler parts.  ---------------------------------------------------------------------------  0306.1.6 Use estimation to check answers for reasonableness, and calculators to check for accuracy.  --------------------------------------------------------------------------  0306.1.7 Make and investigate mathematical conjectures. | [Eduplace Identify Coin Sums](http://www.eduplace.com/cgi-bin/template/kids/hmm/practice/templates/rules.thtml?ID=hmm07_ep/gr2/1406&GRADE=2&UNIT=6&CHAPTER=14&LESSON=6&UNIT_TITLE=Money%20and%25)  [Eduplace Identify Coin Sums Quiz 4](http://www.eduplace.com/cgi-bin/template/kids/hmm/practice/templates/rules.thtml?ID=hmm07_ep/gr2/1404&GRADE=2&UNIT=6&CHAPTER=14&LESSON=4&UNIT_TITLE=Money%20and%25)  [Eduplace Identify Coin Sums Quiz 3](http://www.eduplace.com/cgi-bin/template/kids/hmm/practice/templates/rules.thtml?ID=hmm07_ep/gr2/1403&GRADE=2&UNIT=6&CHAPTER=14&LESSON=3&UNIT_TITLE=Money%20and%25)  [Eduplace Identify Coin Sums Quiz 2](http://www.eduplace.com/cgi-bin/template/kids/hmm/practice/templates/rules.thtml?ID=hmm07_ep/gr2/1402&GRADE=2&UNIT=6&CHAPTER=14&LESSON=2&UNIT_TITLE=Money%20and%25)  [Counting Money Flashcards](http://www.aplusmath.com/cgi-bin/flashcards/money)  -------------------------------------------    [Number Cracker (math pattern game)](http://www.funbrain.com/cracker/index.html)  [Eduplace Finish and Extend Patterns](http://www.eduplace.com/kids/hmm/practice/templates/rules.jsp?ID=hmm07_ep/gr5/1602&GRADE=5&UNIT=6&CHAPTER=16&LESSON=2&UNIT_TITLE=Geometry%20and%20Measurement&CH)  -------------------------------------------  XXXXXXXXXXXXXXXXXXXXXXXXXXXXX  -----------------------------------------------------  [Let’s Go Shopping](http://www.beaconlearningcenter.com/WebLessons/LetsGoShopping/default.htm)  [Roundoff](http://www.bbc.co.uk/education/mathsfile/shockwave/games/roundoff.html)  ------------------------------------------------------  [Walrus World](http://www.beaconlearningcenter.com/WebLessons/WalrusWorld/default.htm)  [Defined](http://en.wikipedia.org/wiki/Conjecture)  [Use of](http://en.wikipedia.org/wiki/Conjecture#Use_of_conjectures_in_conditional_proofs) |

**Grade\_\_3\_\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_3, 4, 5\_(cont.)\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| 0306.1.8 Explain and justify answers on the basis of mathematical properties, structures, and relationships  ------------------------------------------------------------------  0306.1.10 Use correct, clearly written and oral mathematical language to pose questions and communicate ideas  -------------------------------------------------------------------    . 0306.1.11 Develop strategies for solving problems involving addition and subtraction of measurements  .------------------------------------------------------------------  . 0306.1.12 Analyze and evaluate the mathematical thinking and strategies of others.  .--------------------------------------------------------------------  0306.1.13 Create and use representations to organize, record, and communicate mathematical ideas.  -------------------------------------------------------------------  0306.1.14 Use age-appropriate books, stories, and videos to convey ideas of mathematics. | XXXXXXXXXXXXXXXXXX  --------------------------------------------------  XXXXXXXXXXXXXXXXXX  -------------------------------------------------  [Practice](http://sakharov.net/puzzle/fairshare.html?SRC=sakharov)  -------------------------------------------------  XXXXXXXXXXXXXXXXXX  ------------------------------------------------  XXXXXXXXXXXXXXXXXX  -----------------------------------------------  [Internet Linked Book Resources](http://www.usbornequicklinks.com/usa/usa_entity_pages/usa_all_links.asp?lvl=1&menu=s70&id=2573)  [Dictionary of Math](http://www.usbornequicklinks.com/usa/usa_entity_pages/usa_select_page.asp?lvl=1&id=1497)  [Brain Pop](http://www.brainpop.com/math/freemovies/)  [Brain Pop, Jr](http://www.brainpopjr.com/math/).  [Eric Carle Stories](http://www.teachnet-lab.org/miami/2003/delancy2/index.htm) |

**Grade\_\_3\_\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_\_6-7\_\_\_\_\_\_**

**Academic Vocabulary: array, factor, distributive property, multiples, product, dividend, division, divisor, quotient, inverse relationships**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| .  .  .  .  Multiplication and Division | Topic 5-1 Pages 108, 109  5-2 110, 111, 112, 113  5-4 116, 117  5-6 122, 123, 124, 125  5-9 130, 131  Topic 6-1 Pages 140, 1141  Topic 7-4 Pages 172, 173  Topic 8-5 Pages 194, 195  Topic 18-3 Pages 416, 417 |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_\_6-7 (Cont.)\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| GLE 0306.2.2 Develop understanding of multiplication and related division facts through multiple strategies and representations  ---------------------------------------------------------------------------  GLE 0306.2.3 Relate multiplication and division as inverse operations  -------------------------------------------------------------------------  GLE 0306.2.4 Solve multiplication and division problems using various representations | **BrainPOP Jr.** [Making Equal Groups](http://www.brainpopjr.com/math/multiplicationanddivision/makingequalgroups/)  **BrainPOP Jr.** [Arrays](http://www.brainpopjr.com/math/multiplicationanddivision/arrays/)  **BrainPOP** [Multiplication](http://www.brainpop.com/math/numbersandoperations/multiplication/)  **BrainPOP** [Factoring](http://www.brainpop.com/math/numbersandoperations/factoring/)  **BrainPOP** [Division](http://www.brainpop.com/math/numbersandoperations/division/)  [Lesson/Practice](http://www.aaaknow.com/g34d_ix1.htm)  [Practice](http://www.aaaknow.com/g34c_ix1.htm)  -------------------------------------------------  **BrainPOP** [Division](http://www.brainpop.com/math/numbersandoperations/division/)  **BrainPOP** [Multiplication](http://www.brainpop.com/math/numbersandoperations/multiplication/)  [Division practice](http://www.mathsisfun.com/numbers/division.html)  [Relate division to multiplication](http://www.mhschool.com/math/mathconnects/grade3/sg3c6lesson2.html)  [Inverse relationships between multiplication and division](http://www.mhschool.com/math/mathconnects/grade3/sg3c6lesson2.html)  ------------------------------------------------  **BrainPOP Jr.** [Making Equal Groups](http://www.brainpopjr.com/math/multiplicationanddivision/makingequalgroups/)  **BrainPOP Jr.** [Even and Odd](http://www.brainpopjr.com/math/numbersense/evenandodd/)  **BrainPOP** [Using a Calculator](http://www.brainpop.com/math/dataanalysis/usingacalculator/)  **BrainPOP** [Division](http://www.brainpop.com/math/numbersandoperations/division/)  **BrainPOP** [Word Problems](http://www.brainpop.com/math/dataanalysis/wordproblems/)  **BrainPOP** [Multiplication](http://www.brainpop.com/math/numbersandoperations/multiplication/)  **BrainPOP** [Factoring](http://www.brainpop.com/math/numbersandoperations/factoring/)  **BrainPOP** [Game Theory](http://www.brainpop.com/socialstudies/economics/gametheory/)  [Problems](http://www.aaaknow.com/g310_mx4.htm)  [Name That Fraction](http://nlvm.usu.edu/en/nav/frames_asid_104_g_2_t_1.html)  [Power Point](http://www.pasadenaisd.org/teachertoolbox/PPts/Fractions-LCR.ppt) on Fractions |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_6-7 (cont.)\_\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| 0306.2.7 Represent multiplication using various representations such as equal-size groups, arrays, area models, and equal jumps on number lines.  -------------------------------------------------------------------------------------  0306.2.8 Represent division using various representations such as successive subtraction, the number of equal jumps, partitioning, and sharing.  ---------------------------------------------------------------------------------------  0306.2.9 Describe contexts for multiplication and division facts  --------------------------------------------------------------------------------------  SPI 0306.2.5 Identify various representations of multiplication and division. *(pictorial representation)* **(TN 24)** | [Animal Legs](http://www.beaconlearningcenter.com/WebLessons/AnimalLegs/default.htm)  [Groups of Dogs](http://www.beaconlearningcenter.com/WebLessons/GroupsOfDogs/default.htm#page1a)  [Times Mountain](http://www.teachingtables.co.uk/tm/tmgame/tgame2.html)  [Addition](http://www.aaaknow.com/g311_ax1.htm)  [Subtractio](http://www.aaaknow.com/g311_sx1.htm)n  ---------------------------------------------------  [Dividing by Repeated Subtraction](http://www.aaamath.com/B/g4_39_x1.htm)  --------------------------------------------------  -[BBC Skillswise Times Tables](http://www.bbc.co.uk/skillswise/numbers/wholenumbers/multiplication/timestables/)  [Toon University 0-5 as Factors Game](http://www.toonuniversity.com/aol/3m_mult5.swf)  [Bonk the Moles Game](http://www.multiplication.com/flash/moles.swf)  ---------------------------------------------------  **BrainPOP Jr.** [Arrays](http://www.brainpopjr.com/math/multiplicationanddivision/arrays/)  **BrainPOP Jr.** [Making Equal Groups](http://www.brainpopjr.com/math/multiplicationanddivision/makingequalgroups/)  **BrainPOP Jr.** [Even and Odd](http://www.brainpopjr.com/math/numbersense/evenandodd/)  **BrainPOP Jr.** [Making Ten](http://www.brainpopjr.com/math/additionandsubtraction/makingten/)  **BrainPOP** [Division](http://www.brainpop.com/math/numbersandoperations/division/)  **BrainPOP** [Multiplication](http://www.brainpop.com/math/numbersandoperations/multiplication/)  **DEA Resources:**   * [Multiplication](http://player.discoveryeducation.com/index.cfm?guidAssetId=3d63ea6c-634c-493f-9f26-647d0b2f4209&blnPopup=1&productCode=DEA) * [http://www.naturalmath.com/mult/mult2.ht...](http://www.naturalmath.com/mult/mult2.html) * [Adding and Multiplying](http://player.discoveryeducation.com/index.cfm?guidassetid=e090235f-2c40-48fe-ae75-c9a87b26d0ba) |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_\_6-7 (cont.)\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| SPI 0306.2.6 Recall basic multiplication facts through 10 times10 and the related division facts. *(1-3)* **(TN 27)**  ---------------------------------------------------------------------------  SPI 0306.2.7 Compute multiplication problems that involve multiples of ten using basic number facts.**(TN 61)** | **BrainPOP Jr.** [Arrays](http://www.brainpopjr.com/math/multiplicationanddivision/arrays/)  **BrainPOP Jr.** [Making Equal Groups](http://www.brainpopjr.com/math/multiplicationanddivision/makingequalgroups/)  **BrainPOP** [Multiplication](http://www.brainpop.com/math/numbersandoperations/multiplication/)  **BrainPOP** [Factoring](http://www.brainpop.com/math/numbersandoperations/factoring/)  **BrainPOP** [Division](http://www.brainpop.com/math/numbersandoperations/division/)  **PowerPoint** [**Multiplying By 3**](http://jc-schools.net/dynamic/math/ppt/multiplication%20review%203s.ppt)  [**Multiplication.com**](http://www.multiplication.com/resources.htm)  [**Farm Stand**](http://www.prongo.com/farm/index.html)  [**Flashcards**](http://www.multiplication.com/flashcards.htm)  [**Basic Facts Practice**](http://www.mathplayground.com/multiplication01.html)  [**Facts Practice Worksheets**](http://math.about.com/cs/multiplication/a/multws.htm)  [**Facts Practice**](http://www.mathsisfun.com/timestable.html)  [**Free Multiplication Worksheets**](http://www.math-drills.com/multiplication.shtml)  [**Facts Drill**](http://www.primarygames.com/flashcards/multiplication/start.htm)  [Multiplication Tic Tac Toe](http://www.primarygames.com/math/multiplication/start.htm)  DEA Resources:  [Flo Explains a Multiplication Problem](http://player.discoveryeducation.com/index.cfm?guidassetid=2caad7dd-bffc-4610-9d2f-4e2bcff5ebcb)  --------------------------------------------  **BrainPOP Jr.** [Adding and Subtracting Tens](http://www.brainpopjr.com/math/additionandsubtraction/addingandsubtractingtens/)  **BrainPOP Jr.** [Basic Addition](http://www.brainpopjr.com/math/additionandsubtraction/basicadding/)  **BrainPOP Jr.** [One Hundred](http://www.brainpopjr.com/math/numbersense/onehundred/)  **BrainPOP Jr.** [Place Value](http://www.brainpopjr.com/math/numbersense/placevalue/)  **BrainPOP** [Multiplication](http://www.brainpop.com/math/numbersandoperations/multiplication/)  **BrainPOP** [Factoring](http://www.brainpop.com/math/numbersandoperations/factoring/)  **DEA Resources:**  [Numbered Tiles in a 10x10 Square](http://player.discoveryeducation.com/index.cfm?guidassetid=120f51a5-a0f2-417d-a041-bf13c070b520) |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_\_8-10\_\_\_\_\_**

**Academic Vocabulary: angle, intersecting lines, line of symmetry, line, line segment, parallel, perpendicular, polygon, congruent, area**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| .  .  .  .  .  .  Geometry (1 week)  Measurement (2 weeks) | Topic 10-2 Pages 238, 239, 240, 241  10-3 242, 243  10-5 246, 247  10-6 248, 249  10-7 250, 251  10-8 252, 253  Topic 11-1 Pages 260, 261, 262, 263  11-2 264, 265  11-3 266, 267  Topic 14-1 Pages 328, 329, 330, 331  14-2 332, 333  14-3 334, 335, 336, 337  14-4 338, 339  14-5 340, 341  Topic 15-1 Pages 350, 351  15-2 352, 353, 354, 355  15-3 356, 357  15-4 358, 359  Topic 16-1 Pages 368,369  16-2 370, 371 |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_\_8-10 (Cont.)\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| GLE 0306.4.1 Describe, compare, and analyze properties of polygons  ------------------------------------------------------------------------  0306.4.1 Describe properties of plane figures (such as circles, triangles, squares and rectangles) and solid shapes (such as spheres, cubes and cylinders).  ----------------------------------------------------------------------  0306.4.2 Classify polygons according to the number of their sides and angles  ----------------------------------------------------------------------------  0306.4.3 Classify lines and segments as parallel, perpendicular, or intersecting.  ---------------------------------------------------------------------------------  SPI 0306.4.1 Recognize polygons and be able to identify examples based on geometric definitions. **(TN 30)** | **BrainPOP Jr.** [Plane Shapes](http://www.brainpopjr.com/math/geometry/planeshapes/)  **BrainPOP** [Polygons](http://www.brainpop.com/math/geometryandmeasurement/polygons/)  **BrainPOP** [Polyhedrons](http://www.brainpop.com/math/geometryandmeasurement/polyhedrons/)  **BrainPOP** [Area of Polygons](http://www.brainpop.com/math/geometryandmeasurement/areaofpolygons/)  **BrainPOP** [Geometry](http://www.brainpop.com/math/geometryandmeasurement/geometry/)[Tessellation Creator](http://illuminations.nctm.org/ActivityDetail.aspx?ID=202)  --------------------------------------------  [The Zoo](http://www.ngfl-cymru.org.uk/vtc/the_zoo/eng/Introduction/mainsession1.swf)  [Compare Attributes and Sort Objects](http://www.eduplace.com/kids/mw/swfs/help/extra_help.swf?tm=/kids/mw/swfs/help/tmfa0101eT.swf)  [Building Triangles](http://illuminations.nctm.org/LessonDetail.aspx?ID=U191)  ----------------------------------------  [Great Shape Scavenger Hunt](http://pbskids.org/sesame/zoe/index.html)  [Shape Matching Games](http://www.mhschool.com/math/2003/student/activity/courses/grk/ch10a/)  [Shape Game](http://www.mhschool.com/math/2003/student/activity/courses/gr2/ch19/)  -------------------------------------------  [Illustrations](http://www.math.com/school/subject3/lessons/S3U1L3GL.html)  ------------------------------------------  **BrainPOP Jr.** [Plane Shapes](http://www.brainpopjr.com/math/geometry/planeshapes/)  **BrainPOP** [Polygons](http://www.brainpop.com/math/geometryandmeasurement/polygons/)  **BrainPOP** [Polyhedrons](http://www.brainpop.com/math/geometryandmeasurement/polyhedrons/)  **BrainPOP** [Angles](http://www.brainpop.com/math/geometryandmeasurement/angles/)  **BrainPOP** [Area of Polygons](http://www.brainpop.com/math/geometryandmeasurement/areaofpolygons/)   |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | **BrainPOP** [Volume of Prisms](http://www.brainpop.com/math/geometryandmeasurement/volumeofprisms/) | | | | |   [Practice Identifying](http://www.aaastudy.com/geo318x4.htm)    [Part 2](http://www.aaastudy.com/geo318x1.htm)  DEA Resources:   * [Altering Shapes](http://player.discoveryeducation.com/index.cfm?guidAssetId=579c4ff3-e453-442f-b737-d3329dc1acff&blnPopup=1&productCode=DEA) * [Finding Shapes within Hexagons](http://player.discoveryeducation.com/index.cfm?guidassetid=4a5c8c87-bddd-45b5-be51-dc60f2bc1714) |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_8-10 (cont.)\_\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| GLE 0306.4.2 Understand and apply the concepts of congruence and symmetry  -------------------------------------------------------------------------------  0306.4.4 Identify, create, and describe figures with line symmetry  -------------------------------------------------------------------------------  SPI 0306.4.2 Determine if two figures are congruent based on size and shape.  **(TN 32)**  -----------------------------------------------------------------------------  SPI 0306.4.3 Identify the line of symmetry in a two-dimensional design or shape.  **(TN 33)**  ------------------------------------------------------------------------------  GLE 0306.4.3 Understand and use attributes of 2- and 3-dimensional figures to solve problems | **BrainPOP** [Transformation](http://www.brainpop.com/math/geometryandmeasurement/transformation/)  [Power Point](http://www.pasadenaisd.org/teachertoolbox/PPts/symmetry.ppt) on Symmetry  [Figuring in Football](http://illuminations.nctm.org/LessonDetail.aspx?id=L211)  [Archimedes’ Puzzle](http://illuminations.nctm.org/LessonDetail.aspx?id=L720)  ------------------------------------------------  [**This Takes the Cake Video**](http://pbskids.org/cyberchase/forreal/110_for_real.html)  -----------------------------------------------  DEA Resources:   * [Introduction](http://player.discoveryeducation.com/index.cfm?guidAssetId=64685be4-129c-4582-986a-c6ae8b9c11de&blnPopup=1&productCode=DEA) * [Example 2: Similarity - Ape's Shapes and...](http://player.discoveryeducation.com/index.cfm?guidassetid=772a6e6d-8430-46bd-befe-3a8fab420e34)   -----------------------------------------------  DEA Resources:   * [Symmetrical Pentaminoes](http://player.discoveryeducation.com/index.cfm?guidAssetId=554AF427-F351-460C-872A-7B19FB10CF76&blnPopup=1&productCode=DEA) * <http://www.adrianbruce.com/Symmetry/> * [Spotting Symmetry with Symmetrical Spect...](http://player.discoveryeducation.com/index.cfm?guidassetid=dbd9f455-7f85-48ea-b452-08e5a92470d9)   ----------------------------------------------------  **BrainPOP Jr.** [Plane Shapes](http://www.brainpopjr.com/math/geometry/planeshapes/)  **BrainPOP Jr.** [Solid Shapes](http://www.brainpopjr.com/math/geometry/solidshapes/)  **BrainPOP** [Geometry](http://www.brainpop.com/math/geometryandmeasurement/geometry/)  **BrainPOP** [Polyhedrons](http://www.brainpop.com/math/geometryandmeasurement/polyhedrons/)  **BrainPOP** [Area of Polygons](http://www.brainpop.com/math/geometryandmeasurement/areaofpolygons/)  **BrainPOP** [Volume of Prisms](http://www.brainpop.com/math/geometryandmeasurement/volumeofprisms/)  **BrainPOP** [Polygons](http://www.brainpop.com/math/geometryandmeasurement/polygons/)[Power Point 2 Dimensional](http://www.pasadenaisd.org/teachertoolbox/PPts/geometry%20-%202D%20shapes.ppt) Figures |

**Grade\_\_3\_\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_\_8-10 (cont.)\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| GLE 0306.4.4 Use appropriate units, strategies and tools to solve problems involving perimeter  ----------------------------------------------------------------------------------  SPI 0306.4.4 Calculate the perimeter of shapes made from polygons. **(TN 58)**  --------------------------------------------------------------------------------  GLE 0306.4.5 Solve measurement problems involving fractional parts of linear units and capacity units. | **BrainPOP Jr.** [Perimeter](http://www.brainpopjr.com/math/measurement/perimeter/)  **BrainPOP** [Word Problems](http://www.brainpop.com/math/dataanalysis/wordproblems/)  [PowerPoint](http://www.pasadenaisd.org/teachertoolbox/PPts/Perimeter.ppt) on Perimeter  -----------------------------------------------  DEA Resources:   * [Finding the Perimeter of Polygons](http://player.discoveryeducation.com/index.cfm?guidAssetId=91ab773d-f40f-42b6-ae98-c4418081b33f&blnPopup=1&productCode=DEA) * <http://www.funbrain.com/poly/index.html> * [The Test](http://player.discoveryeducation.com/index.cfm?guidassetid=8cad28b7-23c6-4062-9e38-4ad1eafbc97f)   -------------------------------------------------  **BrainPOP Jr.** [Centimeters, Meters, Kilometers](http://www.brainpopjr.com/math/measurement/centimetersmeterskilometers/)  **BrainPOP Jr.** [Time to the Hour](http://www.brainpopjr.com/math/time/timetothehour/)  **BrainPOP Jr.** [Cups, Pints, Quarts, Gallons](http://www.brainpopjr.com/math/measurement/cupspintsquartsgallons/)  **BrainPOP Jr.** [Inches and Feet](http://www.brainpopjr.com/math/measurement/inchesandfeet/)  **BrainPOP Jr.** [Perimeter](http://www.brainpopjr.com/math/measurement/perimeter/)  **BrainPOP Jr.** [Time to the Quarter and Half Hour](http://www.brainpopjr.com/math/time/timetothequarterandhalfhour/preview.weml)  **BrainPOP Jr.** [Basic Parts of a Whole](http://www.brainpopjr.com/math/fractions/basicpartsofawhole/)  **BrainPOP** [Customary Units](http://www.brainpop.com/math/numbersandoperations/customaryunits/)  **BrainPOP** [Metric Units](http://www.brainpop.com/math/numbersandoperations/metricunits/)  **BrainPOP** [Metric vs. Customary](http://www.brainpop.com/math/geometryandmeasurement/metricvscustomary/)  **BrainPOP** [Adding and Subtracting Fractions](http://www.brainpop.com/math/numbersandoperations/addingandsubtractingfractions/)  [Practice](http://www.fossweb.com/modules3-6/Measurement/index.html) |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_8-10 (cont.)\_\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| 0306.4.5 Understand that all measurements require units  ---------------------------------------------------------------------------------  0306.4.6 Recognize the use of fractions in liquid measures. **(TN 42, 43)**  --------------------------------------------------------------------------------  0306.4.7 Recognize the relationships among cups, pints, quarts, and gallons  -------------------------------------------------------------------------------  0306.4.8 Estimate and/or measure the capacity of a container | PowerPoint [Common Abbreviations of Measurement](http://jc-schools.net/dynamic/math/ppt/Common%20Abbreviations.ppt)  [Units Defined](http://www.unc.edu/~rowlett/units/)  **Measurement Unit** (grade 3) [pretest](http://jc-schools.net/dynamic/math/worksheets/pretestmeasure_3.doc), [Measurement](http://jc-schools.net/dynamic/math/ppt/Measurement_3.ppt) PowerPoint, [Measurement using Centimeters and Millimeters](http://jc-schools.net/dynamic/math/ppt/Measurementcm_mm_3.ppt) PowerPoint, **Lessons**:  [Measuring to an Inch,](http://jc-schools.net/dynamic/math/lessons/lessonmeasuretoinch_3.doc) [Measuring to a Half Inch](http://jc-schools.net/dynamic/math/lessons/lessonmeasuretohalfinch_3.doc), [Measuring to a Quarter Inch](http://jc-schools.net/dynamic/math/lessons/lessonmeasuringtoquarterinch_3.doc), [Measuring using Centimeters,](http://jc-schools.net/dynamic/math/lessons/lessonmeasuringwithcm_3.doc) [Measuring using Millimeters](http://jc-schools.net/dynamic/math/lessons/lessonmeasurewithmm_3.doc), **Worksheets:**  [Measure to Inch,](http://jc-schools.net/dynamic/math/worksheets/Worksheetmeasureinch_3.pdf) [More Practice Measuring to an Inch](http://jc-schools.net/dynamic/math/worksheets/Worksheetmoreinchpractice_3.pdf), [Measure with cm,](http://jc-schools.net/dynamic/math/worksheets/worksheetcm_3.pdf) [Measuring practice with both cm and mm](http://jc-schools.net/dynamic/math/worksheets/worksheetpracticecmmm_3.pdf)  ----------------------------------------------------    PowerPoint [Liquid Measurement](http://jc-schools.net/dynamic/math/ppt/Liquid%20Measurements.ppt) ( interactive)  [Liquid Measurement Game (template)](http://www2.northampton.edu/prime/Activities/Liquid%20Measurement%20Game.doc)  ---------------------------------------------------  [Matching Equivalents](http://www.enchantedlearning.com/math/measurement/liquidmeasure/matchingwords/)  ---------------------------------------------------  [Mixed Review Sheet](http://www.edhelper.com/math/capacity_fg1999.htm)  [Capacity Game](http://www.teachingmeasures.co.uk/menu.html) |

**Grade\_\_\_\_3\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_\_8-10 (cont.)\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| 0306.4.9 Measure weight to the nearest ounce or gram.  ---------------------------------------------------------  0306.4.10 Use reasonable units of length (i.e. kilometer, meter, centimeter; mile, yard, foot, inch) in estimates and measures  ------------------------------------------------------  0306.4.11 Know common equivalences for length (1 meter = 100 centimeters, 1 yard = 3 feet, 1 foot = 12 inches).  -------------------------------------------------------------  0306.4.12 Make and record measurements that use mixed units within the same system of measurement (such as feet and inches, meters and centimeters). **(TN 40, 41)**  ----------------------------------------------------------------------  0306.4.13 Use common abbreviations: km, m, cm, in, ft, yd, mi. | [Practice Game](http://www.bbc.co.uk/education/mathsfile/shockwave/games/animal.html)  ----------------------------------------------  [Online centimeter ruler](http://www.hbschool.com/activity/length_strength1_centi/)  ---------------------------------------------  [Comparing Metric Lengths](http://www.aaastudy.com/mea69_x6.htm)  [Equivalents Game](http://www.harcourtschool.com/activity/con_math/g04c24.html)  [Matching Equivalents](http://www.theteacherscafe.com/Math/Measurement.php)  ----------------------------------------------  [Practice](http://www.funbrain.com/measure/index.html)  [Online Converter](http://www.mathcats.com/explore/convert.html)  [Metric Measurement Game](http://www.bbc.co.uk/schools/ks1bitesize/numeracy/measurements/index.shtml)  ----------------------------------------------  [Terms defined](http://www.unc.edu/~rowlett/units/)  [Prefixes & Symbols](http://www.aaastudy.com/mea212x2.htm) |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_8-10 (cont.)\_\_\_\_\_\_\_**

**Academic Vocabulary: kilometer, liquid measures, mile, ounce, capacity, gram,**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| SPI 0306.4.5 Choose reasonable units of measure, estimate common measurements using benchmarks, and use appropriate tools to make measurements. **(TN 57)**  -----------------------------------------------------------------------  SPI 0306.4.6 Measure length to the nearest centimeter or half inch. *(nearest inch)* **(TN 56**  .----------------------------------------------------------------------  SPI 0306.4.7 Solve problems requiring the addition and subtraction of lengths. *(whole inches and cm)* **(TN 54)** | DEA Resources:   * [Estimation Strategies](http://player.discoveryeducation.com/index.cfm?guidAssetId=511a0bed-9049-4637-932e-744e59b13727&blnPopup=1&productCode=DEA) * [Example 2: Estimating Weight](http://player.discoveryeducation.com/index.cfm?guidassetid=3ff07adb-3381-4b00-8c1a-850b8b9e7dd4)   Which tool to use Game  [Customary Lengths](http://www.oswego.org/ocsd-web/match/matchgeneric.asp?filename=length)  -----------------------------------------  DEA Resources:   * [Example 1: Measuring Length--Inches and ...](http://player.discoveryeducation.com/index.cfm?guidAssetId=4086b0b3-0753-4d89-bb13-f4f6a147c31d&blnPopup=1&productCode=DEA) * [Using a Ruler](http://player.discoveryeducation.com/index.cfm?guidAssetId=e01ddb22-1a0b-4435-97c2-6723f98a39f6&blnPopup=1&productCode=DEA) * [http://www.funbrain.com/measure/index.ht...](http://www.funbrain.com/measure/index.html) * [Measuring Length](http://player.discoveryeducation.com/index.cfm?guidassetid=f04df046-5659-491d-9bbb-d7ca170839aa)   [Practice Sheet](http://www.atozteacherstuff.com/pdf.htm?math/measurement_lines_cm_5.pdf)  ----------------------------------------------  DEA Resources:  [Example 2: Weight--Pounds and Ounces](http://player.discoveryeducation.com/index.cfm?guidassetid=c74cc5db-f618-4a29-856f-9796a52cd89e) |

**Grade\_\_\_3\_\_\_\_\_\_Math Pacing Guide**

**Instructional Week \_11\_\_\_\_\_\_\_**

**Academic Vocabulary: polygon, liquid measures, ounces**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| Time (Elapsed), Geometry/Measurement    GLE 0306.1.7 Recognize the historical development of mathematics, mathematics in context, and the connections between mathematics and the real world.  -------------------------------------------------------------------------------  SPI 0306.1.2 Solve problems involving elapsed time.**(TN 60)** | **Topic 17-4 Pages 400, 401**  **Topic 14-6 Pages 342, 343**  **BrainPOP Jr.** [One Hundred](http://www.brainpopjr.com/math/numbersense/onehundred/)  **BrainPOP** [Game Theory](http://www.brainpop.com/socialstudies/economics/gametheory/)  **BrainPOP** [Using a Calculator](http://www.brainpop.com/math/dataanalysis/usingacalculator/)  [Create a Graph](http://nces.ed.gov/nceskids/createagraph/default.aspx)  ----------------------------------------  [Elapsed time on a clock](http://www.harcourtschool.com/activity/elab2004/gr4/15.html)  [Elapsed time worksheets](http://www.mathslice.com/actionctl.php?actionid=512)  [Elapsed Times Game](http://www.beaconlearningcenter.com/WebLessons/IsItPETime/default.htm)  [Beginning](http://www.teachingtime.co.uk/draggames/sthec1.html)  [Next](http://www.teachingtime.co.uk/draggames/sthec2.html)  [Later](http://www.teachingtime.co.uk/draggames/sthec3.html)  [Advanced](http://www.teachingtime.co.uk/draggames/sthec4.html)  DEA Resources:  [Telling Time](http://player.discoveryeducation.com/index.cfm?guidassetid=85d709d8-9a1b-4bad-a24e-42e8fa586412)  **BrainPOP Jr.** [Time to the Hour](http://www.brainpopjr.com/math/time/timetothehour/)  **BrainPOP** [Daylight Saving Time](http://www.brainpop.com/socialstudies/geography/daylightsavingtime/)  **BrainPOP** [Word Problems](http://www.brainpop.com/math/dataanalysis/wordproblems/) |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_\_11\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| GLE 0306.1.5 Use mathematical ideas and processes in different settings to formulate patterns, analyze graphs, set up and solve problems and interpret solutions  ----------------------------------------------------------------------  GLE 0306.1.1 Use mathematical language, symbols, and definitions while developing mathematical reasoning.  ----------------------------------------------------------------------  SPI 0306.1.6 Identify and use vocabulary to describe attributes of two- and three-dimensional shapes. **(TN 31)** | **BrainPOP Jr.** [Basic Addition](http://www.brainpopjr.com/math/additionandsubtraction/basicadding/)  **BrainPOP Jr.** [Basic Subtraction](http://www.brainpopjr.com/math/additionandsubtraction/)  **BrainPOP Jr.** [Tally Charts and Bar Graphs](http://www.brainpopjr.com/math/data/tallychartsandbargraphs/)  **BrainPOP Jr.** [Making Ten](http://www.brainpopjr.com/math/additionandsubtraction/makingten/)  **BrainPOP Jr.** [Patterns](http://www.brainpopjr.com/math/geometry/patterns/)  **BrainPOP** [Word Problems](http://www.brainpop.com/math/dataanalysis/wordproblems/)  **BrainPOP** [Problem Solving Using Tables](http://www.brainpop.com/math/dataanalysis/problemsolvingusingtables/)  **BrainPOP** [Graphs](http://www.brainpop.com/math/dataanalysis/graphs/)  **BrainPOP** [Game Theory](http://www.brainpop.com/socialstudies/economics/gametheory/)  **BrainPOP** [Coordinate Plane](http://www.brainpop.com/math/geometryandmeasurement/coordinateplane/)  -----------------------------------------------------------  [Games that include all number processes](http://www.bbc.co.uk/schools/ks2bitesize/maths/number/)  [Cool Math for Kids- All areas in math](http://www.coolmath4kids.com/)  **BrainPOP** [Word Problems](http://www.brainpop.com/math/dataanalysis/wordproblems/)  ----------------------------------------------------------  [Two and Three Dimensional Geometry for Elementary Schools](http://images.rbs.org/content_strands/two_and_three_d.shtml)  **BrainPOP Jr.** [Plane Shapes](http://www.brainpopjr.com/math/geometry/planeshapes/)  **BrainPOP Jr.** [Solid Shapes](http://www.brainpopjr.com/math/geometry/solidshapes/)  **BrainPOP** [Polyhedrons](http://www.brainpop.com/math/geometryandmeasurement/polyhedrons/)  **BrainPOP** [Geometry](http://www.brainpop.com/math/geometryandmeasurement/geometry/)  **BrainPOP** [Polygons](http://www.brainpop.com/math/geometryandmeasurement/polygons/)  **DEA Resources:**   * [Example 1: Circles and Polygons](http://player.discoveryeducation.com/index.cfm?guidAssetId=4135420b-394c-4eb1-9edd-2a01e90a8771&blnPopup=1&productCode=DEA) * [Example 2: Quadrilaterals](http://player.discoveryeducation.com/index.cfm?guidAssetId=6a7e51d5-f46d-4014-bfee-b4c8819b69a7&blnPopup=1&productCode=DEA) * [http://www.aplusmath.com/cgi-bin/games/g...](http://www.aplusmath.com/cgi-bin/games/geopicture) * [The Living Shapes Define Pentagons and H...](http://player.discoveryeducation.com/index.cfm?guidassetid=1b38481b-fad4-472a-b108-a9bff6058fa8) |

**Grade\_\_3\_\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_\_11\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| SPI 0306.1.7 Select appropriate units and tools to solve problems involving measures.**(TN 55** | **BrainPOP Jr.** [Centimeters, Meters, Kilometers](http://www.brainpopjr.com/math/measurement/centimetersmeterskilometers/)  **BrainPOP Jr.** [Grams and Kilograms](http://www.brainpopjr.com/math/measurement/gramsandkilograms/)  **BrainPOP Jr.** [Time to the Hour](http://www.brainpopjr.com/math/time/timetothehour/)  **BrainPOP Jr.** [Calendar and Dates](http://www.brainpopjr.com/math/calendar/calendaranddates/)  **BrainPOP Jr.** [Counting Coins](http://www.brainpopjr.com/math/money/countingcoins/)  **BrainPOP Jr.** [Cups, Pints, Quarts, Gallons](http://www.brainpopjr.com/math/measurement/cupspintsquartsgallons/)  **BrainPOP Jr.** [Inches and Feet](http://www.brainpopjr.com/math/measurement/inchesandfeet/)  **BrainPOP Jr.** [Ounces, Pounds, Tons](http://www.brainpopjr.com/math/measurement/ouncespoundsandtons/)  **BrainPOP Jr.** [Parts of a Clock](http://www.brainpopjr.com/math/time/partsofaclock/)  **BrainPOP Jr.** [Perimeter](http://www.brainpopjr.com/math/measurement/perimeter/)  **BrainPOP Jr.** [Time to the Quarter and Half Hour](http://www.brainpopjr.com/math/time/timetothequarterandhalfhour/preview.weml)  **BrainPOP** [Customary Units](http://www.brainpop.com/math/numbersandoperations/customaryunits/)  **BrainPOP** [Metric Units](http://www.brainpop.com/math/numbersandoperations/metricunits/)  **BrainPOP** [Angles](http://www.brainpop.com/math/geometryandmeasurement/angles/)  **BrainPOP** [Geometry](http://www.brainpop.com/math/geometryandmeasurement/geometry/)  **BrainPOP** [Word Problems](http://www.brainpop.com/math/dataanalysis/wordproblems/)  [Estimating Customary Length](http://www.harcourtschool.com/elab/act_3_24.html)  DEA Resources:   * [Volume & Cubic Units](http://player.discoveryeducation.com/index.cfm?guidAssetId=252b9e7a-5fef-47f4-ba3d-02d325be18fc&blnPopup=1&productCode=DEA) * [Finding an Area](http://player.discoveryeducation.com/index.cfm?guidAssetId=d2c7f2ef-2681-4b41-af51-5e75f2824998&blnPopup=1&productCode=DEA) * [Using a Ruler](http://player.discoveryeducation.com/index.cfm?guidAssetId=e01ddb22-1a0b-4435-97c2-6723f98a39f6&blnPopup=1&productCode=DEA) * [Tools for Measurement](http://player.discoveryeducation.com/index.cfm?guidassetid=1233eaa7-81c6-4a2b-be2f-f75fb3c2bfe1) |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_\_12-13\_\_\_\_\_\_**

**Academic Vocabulary: numerator, denominator, unit fraction**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| Fractions | **Topic 12-1 Pages 276,277**  **12-2 278,279**  **12-3 280, 281**  **12-4 282,283**  **12-5 284,285,286,287**  **12-6 288,289**  **12-7 290,291,292,293**  **12-8 294,295**  **12-9 296,297** |

**Grade\_\_3\_\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_12-13\_\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| GLE 0306.2.5 Understand the meaning and uses of fractions  -------------------------------------------------------------  GLE 0306.2.6 Use various strategies and models to compare and order fractions and identify equivalent fractions  ---------------------------------------------------------------------  GLE 0306.2.7 Add and subtract fractions with like denominators using various models. | **BrainPOP Jr.** [Basic Parts of a Whole](http://www.brainpopjr.com/math/fractions/basicpartsofawhole/)  **BrainPOP Jr.** [Time to the Hour](http://www.brainpopjr.com/math/time/timetothehour/)  **BrainPOP Jr.** [Time to the Quarter and Half Hour](http://www.brainpopjr.com/math/time/timetothequarterandhalfhour/preview.weml)  **BrainPOP** [Adding and Subtracting Fractions](http://www.brainpop.com/math/numbersandoperations/addingandsubtractingfractions/)  **BrainPOP** [Multiplying and Dividing Fractions](http://www.brainpop.com/math/numbersandoperations/multiplyinganddividingfractions/)  **BrainPOP** [Rational and Irrational Numbers](http://www.brainpop.com/math/numbersandoperations/rationalandirrationalnumbers/)  ------------------------------------------------  **BrainPOP Jr.** [Basic Parts of a Whole](http://www.brainpopjr.com/math/fractions/basicpartsofawhole/)  **BrainPOP** [Mixed Numbers](http://www.brainpop.com/math/numbersandoperations/mixednumbers/)  **BrainPOP** [Multiplying and Dividing Fractions](http://www.brainpop.com/math/numbersandoperations/multiplyinganddividingfractions/)  **BrainPOP** [Adding and Subtracting Fractions](http://www.brainpop.com/math/numbersandoperations/addingandsubtractingfractions/)  **BrainPOP** [Rational and Irrational Numbers](http://www.brainpop.com/math/numbersandoperations/rationalandirrationalnumbers/)  **BrainPOP** [Reducing Fractions](http://www.brainpop.com/math/numbersandoperations/reducingfractions/)  **BrainPOP** [Game Theory](http://www.brainpop.com/socialstudies/economics/gametheory/)  [Using number lines to identify fractions](http://www.visualfractions.com/EnterFraction.html)  [Concentration](http://illuminations.nctm.org/ActivityDetail.aspx?ID=73)  [Using number lines to identify fractions](http://www.visualfractions.com/EnterFraction.html)  -----------------------------------------------------  **BrainPOP** [Adding and Subtracting Fractions](http://www.brainpop.com/math/numbersandoperations/addingandsubtractingfractions/)  **BrainPOP** [Mixed Numbers](http://www.brainpop.com/math/numbersandoperations/mixednumbers/)  [Adding fractions with like denominators](http://www.aaamath.com/B/g4_57ax1.htm)  [Subtracting fractions with like denominators](http://www.aaamath.com/B/g4_57bx1.htm)  [Addition with Math Cubes](http://jc-schools.net/dynamic/math/lessons/Adding%20with%20Math%20Cubes.pdf) |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_12-13 (cont.)\_\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| 0306.2.10 Understand that symbols such as ½, 1/3, and ¼ represent numbers called unit fractions. **(TN 36, 37)**  --------------------------------------------------------------  0306.2.11 Identify fractions as parts of whole units, as parts of sets, as locations on number lines, and as division of two whole numbers  ------------------------------------------------------------  0306.2.12 Compare fractions using drawings, concrete objects, and benchmark fractions  -----------------------------------------------------------  0306.2.13 Understand that when a whole is divided into equal parts to create unit fractions, the sum of all the parts adds up to one. **(TN 36, 37)**  ------------------------------------------------------------  SPI 0306.2.10 Identify equivalent fractions given by various representations. *(to ½)* **(TN 50)** | [Fractional Clothesline](http://illuminations.nctm.org/LessonDetail.aspx?ID=L784)  --------------------------------------------  XXXXXXXXX  [Like Fractions](http://www.aaastudy.com/cmp43ax2.htm)  [Comparing fractions worksheets](http://www.bbc.co.uk/skillswise/numbers/fractiondecimalpercentage/fractions/comparingfractions/factsheet.shtml)  -----------------------------------------------  [Making fractions](http://www.harcourtschool.com/activity/bowling_for_fractions/)  ----------------------------------------------  **BrainPOP Jr.** [Basic Parts of a Whole](http://www.brainpopjr.com/math/fractions/basicpartsofawhole/)  **BrainPOP** [Mixed Numbers](http://www.brainpop.com/math/numbersandoperations/mixednumbers/)  **BrainPOP** [Multiplying and Dividing Fractions](http://www.brainpop.com/math/numbersandoperations/multiplyinganddividingfractions/)  **BrainPOP** [Adding and Subtracting Fractions](http://www.brainpop.com/math/numbersandoperations/addingandsubtractingfractions/)  [TV411 Math Fractions](http://www.tv411.org/lessons/cfm/math.cfm?str=math&num=2&act=1)  [AAA Beginning Fractions](http://www.321know.com/fra16_x2.htm)  [Bowling for Fractions](http://www.harcourtschool.com/activity/bowling_for_fractions/)  [Fraction Frenzy](http://www.learningplanet.com/sam/ff/index.asp)  DEA Resources:  [Common Factors](http://player.discoveryeducation.com/index.cfm?guidassetid=6a671a6c-5efc-45ba-a90f-f260509285a1)- |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_12-13 (cont.)\_\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| SPI 0306.2.11 Recognize and use different interpretations of fractions. *(pictorial)* **(TN 49)**  -------------------------------------------------------------------  SPI 0306.2.12 Name fractions in various contexts that are less than, equal to, or greater than one. *(> or < ½)* **(TN 38, 39, 51)**  ----------------------------------------------------------------- | **BrainPOP Jr.** [Basic Parts of a Whole](http://www.brainpopjr.com/math/fractions/basicpartsofawhole/)  **BrainPOP** [Adding and Subtracting Fractions](http://www.brainpop.com/math/numbersandoperations/addingandsubtractingfractions/)  **BrainPOP** [Mixed Numbers](http://www.brainpop.com/math/numbersandoperations/mixednumbers/)  **BrainPOP** [Multiplying and Dividing Fractions](http://www.brainpop.com/math/numbersandoperations/multiplyinganddividingfractions/)  **BrainPOP** [Rational and Irrational Numbers](http://www.brainpop.com/math/numbersandoperations/rationalandirrationalnumbers/)  PowerPoint Flash Math Fractions  DEA Resources:  [Example 1: Adding Fractions with a Commo...](http://player.discoveryeducation.com/index.cfm?guidassetid=dc1dc627-b216-4b58-b8f7-1053a36d8126)  -------------------------------------------------------------  **BrainPOP Jr.** [Basic Parts of a Whole](http://www.brainpopjr.com/math/fractions/basicpartsofawhole/)  **BrainPOP** [Inequalities](http://www.brainpop.com/math/dataanalysis/inequalities/)  **BrainPOP** [Rational and Irrational Numbers](http://www.brainpop.com/math/numbersandoperations/rationalandirrationalnumbers/)  [Like Fractions](http://www.aaastudy.com/cmp43ax2.htm)  [PowerPoint Flash Math Fractions](http://www.lexington1.net/technology/instruct/ppts/mathppts/number%20operations/Fractions%20I.ppt#257,6,¾ looks like)  [Game](http://www.jamit.com.au/htmlFolder/app1005.html)  DEA Resources:  [Example 1: Whole Numbers, Fractions, and...](http://player.discoveryeducation.com/index.cfm?guidassetid=0a255019-c460-418a-9a9b-16693b962a2f)  ------------------------------------------------------------ |

**Grade\_\_\_\_3\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_12-13 (cont.)\_\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| SPI 0306.2.13 Recognize, compare, and order fractions (benchmark fractions, common numerators, or common denominators). *(common denominators)* **(TN 52)**  -----------------------------------------------------------------  SPI 0306.2.14 Add and subtract fractions with like denominators.**(TN 53)** | **BrainPOP Jr.** [Basic Parts of a Whole](http://www.brainpopjr.com/math/fractions/basicpartsofawhole/)  **BrainPOP** [Adding and Subtracting Fractions](http://www.brainpop.com/math/numbersandoperations/addingandsubtractingfractions/)  **BrainPOP** [Multiplying and Dividing Fractions](http://www.brainpop.com/math/numbersandoperations/multiplyinganddividingfractions/)  **BrainPOP** [Rational and Irrational Numbers](http://www.brainpop.com/math/numbersandoperations/rationalandirrationalnumbers/)  [Eduplace Comparing Fractions Quiz](http://www.eduplace.com/kids/hmm/practice/templates/rules.jsp?ID=hmm07_ep/gr3/1901&GRADE=3&UNIT=7&CHAPTER=19&LESSON=1&UNIT_TITLE=Fractions%20and%20Decimals&CHAP)  [Eduplace Comparing Fractions Quiz Grade 2](http://www.eduplace.com/cgi-bin/template/kids/hmm/practice/templates/rules.thtml?ID=hmm07_ep/gr2/0904&GRADE=2&UNIT=3&CHAPTER=9&LESSON=4&UNIT_TITLE=Geometry%20an)  DEA Resources:   * [Fractions & a Picnic](http://player.discoveryeducation.com/index.cfm?guidAssetId=82d46648-a28e-47f3-8a0d-c6b4ed4e1535&blnPopup=1&productCode=DEA) * [Example 1: Whole Numbers, Fractions, and...](http://player.discoveryeducation.com/index.cfm?guidassetid=0a255019-c460-418a-9a9b-16693b962a2f)   ----------------------------------------------------  **BrainPOP Jr.** [Comparing Numbers](http://www.brainpopjr.com/math/numbersense/comparingnumbers/)  **BrainPOP Jr.** [Even and Odd](http://www.brainpopjr.com/math/numbersense/evenandodd/)  **BrainPOP Jr.** [One Hundred](http://www.brainpopjr.com/math/numbersense/onehundred/)  **BrainPOP** [Adding and Subtracting Fractions](http://www.brainpop.com/math/numbersandoperations/addingandsubtractingfractions/)  [Addition Power Point](http://www.lexington1.net/technology/?page=instruct/powerpoint.htm#math)  [Subtract Power Point](http://www.lexington1.net/technology/?page=instruct/powerpoint.htm#math)  [Addition Practice](http://www.funbrain.com/cgi-bin/fract.cgi?A1=s&A2=0&A15=1)   Subtraction Practice  DEA Resources:   * [Creating Hexagons](http://player.discoveryeducation.com/index.cfm?guidAssetId=c8426135-6e15-4e7a-bb12-69c9e5beb397&blnPopup=1&productCode=DEA) * [Example 3: Algebraic Representation--Gey...](http://player.discoveryeducation.com/index.cfm?guidassetid=3a3085e7-5af9-4f20-bd03-a731744df227) |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_\_14-15\_\_\_\_\_\_**

**Academic Vocabulary: inverse relationships, array, division**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| Algebra | **Topic 2-1 Pages 32,33**  **Topic 5-2 Pages 110,111,112,113**  **Topic 6-6 Pages 152,153**  **Topic 8-1 Pages 184,185**  **8-4 192,193**  **Topic 9-1 Pages 206,207**  **9-2 208,209**  **9-3 210,211**  **9-4 212,213,214,215**  **9-5 216,217** |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_\_14-15 (cont.)\_\_\_\_\_\_**

**Academic Vocabulary:**

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| --- | --- |
| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| GLE 0306.3.1 Develop meaning for and apply the commutative, associative, and distributive properties using various representations. *(commutative/associative)*  ----------------------------------------------------------------  0306.2.3 Use parentheses to indicate grouping.  ----------------------------------------------------------------  0306.3.1 Show that addition and multiplication are commutative operations.  -------------------------------------------------------------------  0306.1.9 Use manipulatives to demonstrate that the commutative property holds for addition but not for subtraction.  -------------------------------------------------------------------  0306.3.2 Show that subtraction and division are not commutative operations.  ------------------------------------------------------------------  0306.3.3 Use commutative, associative, and distributive properties to multiply whole numbers. *(commutative/associative)*  *------------------------------------------------------------------*  0306.3.4 Solve problems using the commutative, associative, and distributive properties. *(commutative/associative)*  *-----------------------------------------------------------------*  GLE 0306.3.2 Develop understanding that a letter or a symbol can represent an unknown quantity in a simple mathematical expression/equation.**(TN 8,9)** | **BrainPOP** [Associative Property](http://www.brainpop.com/math/numbersandoperations/associativeproperty/)  **BrainPOP** [Commutative Property](http://www.brainpop.com/math/numbersandoperations/commutativeproperty/)  **BrainPOP** [Distributive Property](http://www.brainpop.com/math/numbersandoperations/distributiveproperty/)  **BrainPOP** [Equations with Variables](http://www.brainpop.com/math/algebra/equationswithvariables/)  ------------------------------------------  XXXXXXXXXXXX  ------------------------------------------  XXXXXXXXXXXX  -----------------------------------------  [Practice](http://www.aaaknow.com/g34a_ix1.htm)  [Reverse Lesson](http://www.aaaknow.com/g34b_ix1.htm)  -----------------------------------------  XXXXXXXXXXXX  ----------------------------------------  Addition with Math Cubes  -----------------------------------------  XXXXXXXXXXXX  -----------------------------------------  **BrainPOP Jr.** [Comparing Numbers](http://www.brainpopjr.com/math/numbersense/comparingnumbers/)  **BrainPOP** [Two-Step Equations](http://www.brainpop.com/math/algebra/twostepequations/)  **BrainPOP** [Equations with Variables](http://www.brainpop.com/math/algebra/equationswithvariables/)  **BrainPOP** [Roman Numerals](http://www.brainpop.com/math/numbersandoperations/romannumerals/) |

**Grade\_\_3\_\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_\_14-15 (Cont.)\_\_\_\_\_\_**

**Academic Vocabulary:**

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| --- | --- |
| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| GLE 0306.3.3 Describe and analyze patterns and relationships in contexts.  --------------------------------------------------------------------------------------  GLE 0306.3.4 Create and represent patterns using words, tables, graphs, and symbols.  --------------------------------------------------------------------------------------  0306.3.5 Find unknowns in number sentences and problems involving addition, subtraction, multiplication, or division.  ---------------------------------------------------------------------------------------   * 0306.3.6 Analyze patterns in words, tables, and graphs to draw conclusions. | **BrainPOP Jr.** [One Hundred](http://www.brainpopjr.com/math/numbersense/onehundred/)  **BrainPOP Jr.** [Calendar and Dates](http://www.brainpopjr.com/math/calendar/calendaranddates/)  **BrainPOP Jr.** [Parts of a Clock](http://www.brainpopjr.com/math/time/partsofaclock/)  **BrainPOP Jr.** [Basic Subtraction](http://www.brainpopjr.com/math/additionandsubtraction/)  **BrainPOP Jr.** [Cups, Pints, Quarts, Gallons](http://www.brainpopjr.com/math/measurement/cupspintsquartsgallons/)  **BrainPOP Jr.** [Even and Odd](http://www.brainpopjr.com/math/numbersense/evenandodd/)  **BrainPOP Jr.** [Patterns](http://www.brainpopjr.com/math/geometry/patterns/)  **BrainPOP** [Problem Solving Using Tables](http://www.brainpop.com/math/dataanalysis/problemsolvingusingtables/)  **BrainPOP** [Fibonacci Sequence](http://www.brainpop.com/math/numbersandoperations/fibonaccisequence/)  [Power Point](http://www.pasadenaisd.org/IT/IThome/Mathology/Mathology%203.pps#258,3,Patterns) on Patterns  Pattern Quest  ---------------------------------------------------  **BrainPOP Jr.** [One Hundred](http://www.brainpopjr.com/math/numbersense/onehundred/)  **BrainPOP Jr.** [Patterns](http://www.brainpopjr.com/math/geometry/patterns/)  **BrainPOP Jr.** [Comparing Numbers](http://www.brainpopjr.com/math/numbersense/comparingnumbers/)  **BrainPOP Jr.** [Adding and Subtracting Tens](http://www.brainpopjr.com/math/additionandsubtraction/addingandsubtractingtens/)  **BrainPOP** [Problem Solving Using Tables](http://www.brainpop.com/math/dataanalysis/problemsolvingusingtables/)  **BrainPOP** [Graphing Linear Equations](http://www.brainpop.com/math/algebra/graphinglinearequations/)  **BrainPOP** [Inequalities](http://www.brainpop.com/math/dataanalysis/inequalities/)  -------------------------------------------------  XXXXXXXXXXXXXXXXX  --------------------------------------------------  [Power Point](http://www.pasadenaisd.org/IT/IThome/Mathology/Mathology%203.pps#258,3,Patterns) on Patterns |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_14-15 (Cont.)\_\_\_\_\_\_\_**

**Academic Vocabulary:**

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| --- | --- |
| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| * 0306.3.7 Create different representations of a pattern given a verbal description.   **(TN 12,13)**  ----------------------------------------------------------------------------   * 0306.3.8 Analyze patterns in quantitative change resulting from computation.   -------------------------------------------------------------  SPI 0306.3.1 Verify a conclusion using algebraic properties. **(TN 23)** | XXXXXXXXXXXXXXXXXX  ------------------------------------------  XXXXXXXXXXXXXXXXXX  -----------------------------------------  **BrainPOP** [Equations with Variables](http://www.brainpop.com/math/algebra/equationswithvariables/)  **DEA Resources:**   * [Properties and Relationships of Arithmet...](http://player.discoveryeducation.com/index.cfm?guidAssetId=48297c2d-9710-473b-8bac-ebf244516f26&blnPopup=1&productCode=DEA) * [Example 3: Adding Decimals Using Mental ...](http://player.discoveryeducation.com/index.cfm?guidassetid=4845f803-6795-4f47-b0ec-f3945b300667) |

**Grade\_\_\_\_3\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_14-15 (Cont.)\_\_\_\_\_\_\_**

**Academic Vocabulary:**

|  |  |
| --- | --- |
| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| SPI 0306.3.2 Express mathematical relationships using number sentences/equations.**(TN 28)** | **BrainPOP Jr.** [Basic Addition](http://www.brainpopjr.com/math/additionandsubtraction/basicadding/)  **BrainPOP Jr.** [Basic Subtraction](http://www.brainpopjr.com/math/additionandsubtraction/)  **BrainPOP Jr.** [Making Equal Groups](http://www.brainpopjr.com/math/multiplicationanddivision/makingequalgroups/)  **BrainPOP Jr.** [Making Ten](http://www.brainpopjr.com/math/additionandsubtraction/makingten/)  **BrainPOP Jr.** [Doubles](http://www.brainpopjr.com/math/additionandsubtraction/doubles/)  **BrainPOP** [Equations with Variables](http://www.brainpop.com/math/algebra/equationswithvariables/)  **BrainPOP** [Problem Solving Using Tables](http://www.brainpop.com/math/dataanalysis/problemsolvingusingtables/)  **BrainPOP** [Graphing Linear Equations](http://www.brainpop.com/math/algebra/graphinglinearequations/)  **BrainPOP** [Word Problems](http://www.brainpop.com/math/dataanalysis/wordproblems/)  **BrainPOP** [Polynomials](http://www.brainpop.com/math/algebra/polynomials/)  **BrainPOP** [Two-Step Equations](http://www.brainpop.com/math/algebra/twostepequations/)  **BrainPOP** [Multiplication](http://www.brainpop.com/math/numbersandoperations/multiplication/)  **BrainPOP** [Game Theory](http://www.brainpop.com/socialstudies/economics/gametheory/)    Sports Challenge [Math Game using math terminology](http://jc-schools.net/dynamic/math/ppt/Sports%20Challenge.ppt)  [What is the missing symbol](http://www.primarygames.com/math/quickmath/start.htm)  DEA Resources:   * [Example 2: Circle Graphs](http://player.discoveryeducation.com/index.cfm?guidAssetId=b3362aa4-f193-485e-bed2-5244d648bc57&blnPopup=1&productCode=DEA) * [Choosing a Value for a Variable](http://player.discoveryeducation.com/index.cfm?guidAssetId=c93aa365-5374-4ddc-90dc-2bf5b0226f17&blnPopup=1&productCode=DEA) * [Example 2: Enough Dog Food?](http://player.discoveryeducation.com/index.cfm?guidassetid=2453fb46-16f0-4890-8f64-f7662e4a9567) |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_14-15 (Cont.)\_\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| SPI 0306.3.3 Find the missing values in simple multiplication and division equations. *(multiplication)* **(TN 26)**  ------------------------------------------------------------------------  SPI 0306.3.4 Describe or extend (including finding missing terms) geometric and numeric patterns. **(TN 29)** | **BrainPOP Jr.** [Even and Odd](http://www.brainpopjr.com/math/numbersense/evenandodd/)  **BrainPOP** [Word Problems](http://www.brainpop.com/math/dataanalysis/wordproblems/)  **BrainPOP** [Factoring](http://www.brainpop.com/math/numbersandoperations/factoring/)  **BrainPOP** [Two-Step Equations](http://www.brainpop.com/math/algebra/twostepequations/)  **BrainPOP** [Division](http://www.brainpop.com/math/numbersandoperations/division/)  **BrainPOP** [Equations with Variables](http://www.brainpop.com/math/algebra/equationswithvariables/)  **BrainPOP** [Multiplication](http://www.brainpop.com/math/numbersandoperations/multiplication/)  [Missing digits game](http://www.mathsframe.co.uk/missingdigits.swf)  [Solving an equation video](http://www.mathsframe.co.uk/missingdigits.swf)  DEA Resources:  [Introduction](http://player.discoveryeducation.com/index.cfm?guidassetid=cd374d8c-c962-4c45-8b1c-6614c169680e)  ---------------------------------------  **BrainPOP Jr.** [Patterns](http://www.brainpopjr.com/math/geometry/patterns/)  **BrainPOP Jr.** [Even and Odd](http://www.brainpopjr.com/math/numbersense/evenandodd/)  **BrainPOP Jr.** [One Hundred](http://www.brainpopjr.com/math/numbersense/onehundred/)  **BrainPOP Jr.** [Adding and Subtracting Tens](http://www.brainpopjr.com/math/additionandsubtraction/addingandsubtractingtens/)  **BrainPOP** [Fibonacci Sequence](http://www.brainpop.com/math/numbersandoperations/fibonaccisequence/)  [Pattern Quest](http://pbskids.org/cyberchase/games/data/data.html)  [Practice](http://www.aaastudy.com/g3fmran3.htm)  [Power Point](http://www.pasadenaisd.org/IT/IThome/Mathology/Mathology%203.pps#258,3,Patterns) on Patterns  DEA Resources:   * [Representing Patterns](http://player.discoveryeducation.com/index.cfm?guidAssetId=b3658e2c-34c4-43ba-bc0b-7049f28384cb&blnPopup=1&productCode=DEA) * [http://www.interactive-resources.co.uk/m...](http://www.interactive-resources.co.uk/mathspack2/fmachine/function.html) * [Using Calculation to Solve Problems](http://player.discoveryeducation.com/index.cfm?guidassetid=e7fd2125-6a3c-4c4c-9222-415fb9bb1ca7) |

**Grade\_\_3\_\_\_\_\_\_\_ Math Pacing Guide**

**Topic 2-7 Pages 50, 51, 52, 53**

**2-8 54, 55**

**2-9 56, 57**

**Topic 4-2 Pages 88, 89**

**Topic 5-2 Pages 110,111, 112, 113**

**5-3 114, 115**

**5-6 122, 123, 124, 125**

**Topic 6-2 Pages 142, 143**

**6-3 144, 145, 146, 147**

**6-6 152, 153**

**Topic 7-1 Pages 164, 165**

**7-2 166, 167, 168, 169**

**7-4 172, 173**

**Topic 8-1 Pages 184, 185**

**8-3 190, 191**

**Topic 18-1 Pages 412, 413**

**18-3 416, 417**

**Instructional Week \_16-17\_\_\_\_\_\_\_**

**Academic Vocabulary: array, factor, division, product**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| .  .  Multiplication/Division/Addition/Subtraction |  |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_16-17 (Cont.)\_\_\_\_\_\_\_**

**Academic Vocabulary:**

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| --- | --- |
| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| GLE 0306.2.1 Understand the place value of whole numbers to ten-thousands place including expanded notation for all arithmetic operations  -----------------------------------------------------------------  0306.2.3 Use parentheses to indicate grouping  ------------------------------------------------------------------  0306.2.4 Use a variety of methods to perform mental computations and compare the efficiency of those methods.  -------------------------------------------------------------------  0306.2.6 Solve a variety of addition and subtraction story problems including those with irrelevant information. | **BrainPOP Jr.** [Even and Odd](http://www.brainpopjr.com/math/numbersense/evenandodd/)  **BrainPOP Jr.** [Basic Addition](http://www.brainpopjr.com/math/additionandsubtraction/basicadding/)  **BrainPOP Jr.** [Basic Subtraction](http://www.brainpopjr.com/math/additionandsubtraction/)  **BrainPOP Jr.** [One Hundred](http://www.brainpopjr.com/math/numbersense/onehundred/)  **BrainPOP Jr.** [Adding and Subtracting Tens](http://www.brainpopjr.com/math/additionandsubtraction/addingandsubtractingtens/)  **BrainPOP Jr.** [Counting On](http://www.brainpopjr.com/math/additionandsubtraction/countingon/)  **BrainPOP Jr.** [Doubles](http://www.brainpopjr.com/math/additionandsubtraction/doubles/)  **BrainPOP Jr.** [Making Ten](http://www.brainpopjr.com/math/additionandsubtraction/makingten/)  **BrainPOP Jr.** [Comparing Numbers](http://www.brainpopjr.com/math/numbersense/comparingnumbers/)  **BrainPOP Jr.** [Place Value](http://www.brainpopjr.com/math/numbersense/placevalue/)  **BrainPOP** [Rounding](http://www.brainpop.com/math/numbersandoperations/rounding/)  **BrainPOP** [Division](http://www.brainpop.com/math/numbersandoperations/division/)  **BrainPOP** [Multiplication](http://www.brainpop.com/math/numbersandoperations/multiplication/)  [There Must Be Thousands](http://www.beaconlearningcenter.com/WebLessons/ThereMustBeThousands/default.htm)  [What’s Your Name?](http://www.beaconlearningcenter.com/WebLessons/WhatsYourName/default.htm)  -------------------------------------------------------  XXXXXXXXXXXXXXXX  ------------------------------------------------------  XXXXXXXXXXXXXXXX  --------------------------------------------------------  [Is That a Fact?](http://www.beaconlearningcenter.com/WebLessons/IsThatAFact/default.htm)  [Activity](http://www.aaaknow.com/g36a_cx1.htm) |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_16-17(cont.)\_\_\_\_\_\_\_**

**Academic Vocabulary:**

|  |  |
| --- | --- |
| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| SPI 0306.2.9 Solve contextual problems involving the addition (with and without regrouping) and subtraction (with and without regrouping) of two- and three digit whole numbers. *(with regrouping 2-digit)* **(TN 21)**  -----------------------------------------------------------------------  GLE 0306.2.2 Develop understanding of multiplication and related division facts through multiple strategies and representations | **BrainPOP Jr.** [Adding with Regrouping](http://www.brainpopjr.com/math/additionandsubtraction/addingwithregrouping/)  **BrainPOP Jr.** [Basic Subtraction](http://www.brainpopjr.com/math/additionandsubtraction/)  **BrainPOP Jr.** [Basic Addition](http://www.brainpopjr.com/math/additionandsubtraction/basicadding/)  **BrainPOP Jr.** [Making Ten](http://www.brainpopjr.com/math/additionandsubtraction/makingten/)  PowerPoint [Subtraction Across a Zero](http://jc-schools.net/dynamic/math/ppt/Subtraction%20Across%20a%20Zero.ppt)  PowerPoint [Subtraction with regroup](http://jc-schools.net/dynamic/math/ppt/Subtraction%20With%20Regrouping.ppt)  PowerPoint [**Three Digit Subtraction**](http://jc-schools.net/dynamic/math/ppt/3digitsubtraction.ppt)  DEA Resources:   * [Estimating Computations](http://player.discoveryeducation.com/index.cfm?guidAssetId=c83a3762-d6f5-4d47-bfea-af08215b688a&blnPopup=1&productCode=DEA) * [http://www.janbrett.com/piggybacks/round...](http://www.janbrett.com/piggybacks/rounding.htm#quiz) * [Viewers' Challenge](http://player.discoveryeducation.com/index.cfm?guidassetid=3b372fa6-6769-4df6-98c4-8066f7417f58)   --------------------------------------------  **BrainPOP Jr.** [Making Equal Groups](http://www.brainpopjr.com/math/multiplicationanddivision/makingequalgroups/)  **BrainPOP Jr.** [Arrays](http://www.brainpopjr.com/math/multiplicationanddivision/arrays/)  **BrainPOP** [Multiplication](http://www.brainpop.com/math/numbersandoperations/multiplication/)  **BrainPOP** [Factoring](http://www.brainpop.com/math/numbersandoperations/factoring/)  **BrainPOP** [Division](http://www.brainpop.com/math/numbersandoperations/division/)  [Lesson/Practice](http://www.aaaknow.com/g34d_ix1.htm)  [Practice](http://www.aaaknow.com/g34c_ix1.htm) |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_\_16-17 (cont.)\_\_\_\_\_\_**

**Academic Vocabulary:**

|  |  |
| --- | --- |
| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| GLE 0306.2.3 Relate multiplication and division as inverse operations.  ------------------------------------------------------------  GLE 0306.2.4 Solve multiplication and division problems using various representations.  ----------------------------------------------------  0306.2.7 Represent multiplication using various representations such as equal-size groups, arrays, area models, and equal jumps on number lines. | **BrainPOP** [Division](http://www.brainpop.com/math/numbersandoperations/division/)  **BrainPOP** [Multiplication](http://www.brainpop.com/math/numbersandoperations/multiplication/)  [Division practice](http://www.mathsisfun.com/numbers/division.html)  [Relate division to multiplication](http://www.mhschool.com/math/mathconnects/grade3/sg3c6lesson2.html)  [Inverse relationships between multiplication and division](http://www.mhschool.com/math/mathconnects/grade3/sg3c6lesson2.html)  ----------------------------------------  **BrainPOP Jr.** [Making Equal Groups](http://www.brainpopjr.com/math/multiplicationanddivision/makingequalgroups/)  **BrainPOP Jr.** [Even and Odd](http://www.brainpopjr.com/math/numbersense/evenandodd/)  **BrainPOP** [Using a Calculator](http://www.brainpop.com/math/dataanalysis/usingacalculator/)  **BrainPOP** [Division](http://www.brainpop.com/math/numbersandoperations/division/)  **BrainPOP** [Word Problems](http://www.brainpop.com/math/dataanalysis/wordproblems/)  **BrainPOP** [Multiplication](http://www.brainpop.com/math/numbersandoperations/multiplication/)  **BrainPOP** [Factoring](http://www.brainpop.com/math/numbersandoperations/factoring/)  **BrainPOP** [Game Theory](http://www.brainpop.com/socialstudies/economics/gametheory/)  [Problems](http://www.aaaknow.com/g310_mx4.htm)  [Name That Fraction](http://nlvm.usu.edu/en/nav/frames_asid_104_g_2_t_1.html)  [Power Point](http://www.pasadenaisd.org/teachertoolbox/PPts/Fractions-LCR.ppt) on Fractions  ------------------------------------------------  [Animal Legs](http://www.beaconlearningcenter.com/WebLessons/AnimalLegs/default.htm)  [Groups of Dogs](http://www.beaconlearningcenter.com/WebLessons/GroupsOfDogs/default.htm#page1a)  [Times Mountain](http://www.teachingtables.co.uk/tm/tmgame/tgame2.html)  [Addition](http://www.aaaknow.com/g311_ax1.htm)  [Subtractio](http://www.aaaknow.com/g311_sx1.htm)n |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_\_16-17 (Cont.)\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| 0306.2.8 Represent division using various representations such as successive subtraction, the number of equal jumps, partitioning, and sharing.  ------------------------------------------------------------------  0306.2.9 Describe contexts for multiplication and division facts.  -------------------------------------------------------------------    **SPI 0306.2.5 Identify various representations of multiplication and division. *(arrays)***  ***--------------------------------------------------------------------***   | [Dividing by Repeated Subtraction](http://www.aaamath.com/B/g4_39_x1.htm)  -------------------------------------------  [BBC Skillswise Times Tables](http://www.bbc.co.uk/skillswise/numbers/wholenumbers/multiplication/timestables/)  [Toon University 0-5 as Factors Game](http://www.toonuniversity.com/aol/3m_mult5.swf)  [Bonk the Moles Game](http://www.multiplication.com/flash/moles.swf)  -------------------------------------------  **BrainPOP Jr.** [Arrays](http://www.brainpopjr.com/math/multiplicationanddivision/arrays/)  **BrainPOP Jr.** [Making Equal Groups](http://www.brainpopjr.com/math/multiplicationanddivision/makingequalgroups/)  **BrainPOP Jr.** [Even and Odd](http://www.brainpopjr.com/math/numbersense/evenandodd/)  **BrainPOP Jr.** [Making Ten](http://www.brainpopjr.com/math/additionandsubtraction/makingten/)  **BrainPOP** [Division](http://www.brainpop.com/math/numbersandoperations/division/)  **BrainPOP** [Multiplication](http://www.brainpop.com/math/numbersandoperations/multiplication/)  **DEA Resources:**   * [Multiplication](http://player.discoveryeducation.com/index.cfm?guidAssetId=3d63ea6c-634c-493f-9f26-647d0b2f4209&blnPopup=1&productCode=DEA) * [http://www.naturalmath.com/mult/mult2.ht...](http://www.naturalmath.com/mult/mult2.html) * [Adding and Multiplying](http://player.discoveryeducation.com/index.cfm?guidassetid=e090235f-2c40-48fe-ae75-c9a87b26d0ba)   ---------------------------------------------- |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_16-17 (cont.)\_\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| **SPI 0306.2.6 Recall basic multiplication facts through 10 times10 and the related division facts. *(4-6)***  --------------------------------------------------------------------  **SPI 0306.2.8 Solve problems that involve the inverse relationship between multiplication and division. *(number families)*** (TN 10, 11, 25) | **BrainPOP Jr.** [Arrays](http://www.brainpopjr.com/math/multiplicationanddivision/arrays/)  **BrainPOP Jr.** [Making Equal Groups](http://www.brainpopjr.com/math/multiplicationanddivision/makingequalgroups/)  **BrainPOP** [Multiplication](http://www.brainpop.com/math/numbersandoperations/multiplication/)  **BrainPOP** [Factoring](http://www.brainpop.com/math/numbersandoperations/factoring/)  **BrainPOP** [Division](http://www.brainpop.com/math/numbersandoperations/division/)  **PowerPoint** [**Multiplying By 3**](http://jc-schools.net/dynamic/math/ppt/multiplication%20review%203s.ppt)[**Multiplication.com**](http://www.multiplication.com/resources.htm)  [**Farm Stand**](http://www.prongo.com/farm/index.html)  [**Flashcards**](http://www.multiplication.com/flashcards.htm)  [**Basic Facts Practice**](http://www.mathplayground.com/multiplication01.html)  [**Facts Practice Worksheets**](http://math.about.com/cs/multiplication/a/multws.htm)  [**Facts Practice**](http://www.mathsisfun.com/timestable.html)  [**Free Multiplication Worksheets**](http://www.math-drills.com/multiplication.shtml)  [**Facts Drill**](http://www.primarygames.com/flashcards/multiplication/start.htm)  [Multiplication Tic Tac Toe](http://www.primarygames.com/math/multiplication/start.htm)  DEA Resources:  [Flo Explains a Multiplication Problem](http://player.discoveryeducation.com/index.cfm?guidassetid=2caad7dd-bffc-4610-9d2f-4e2bcff5ebcb)  -------------------------------------------  **BrainPOP** [Multiplication](http://www.brainpop.com/math/numbersandoperations/multiplication/)  **BrainPOP** [Division](http://www.brainpop.com/math/numbersandoperations/division/)  [Division practice](http://www.mathsisfun.com/numbers/division.html)  [Relate division to multiplication](http://www.mhschool.com/math/mathconnects/grade3/sg3c6lesson2.html)  [Inverse relationships between multiplication and division](http://www.mhschool.com/math/mathconnects/grade3/sg3c6lesson2.html)  [What Number Replaces the Question marks?](http://www.aaamath.com/B/g4_34cx1.htm#pgtp)  DEA Resources:   * [Example 2: Adding and Subtracting](http://player.discoveryeducation.com/index.cfm?guidAssetId=13860516-de8f-49f5-b920-4335f87e27f0&blnPopup=1&productCode=DEA) * [Example 1: Problems Involving Addition a...](http://player.discoveryeducation.com/index.cfm?guidassetid=1e3d6a2c-b7b6-40fc-8790-73e9f6ab0d70) |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_\_18\_\_\_\_\_\_**

**Academic Vocabulary: reasonableness, polygon**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| .  .  .    REVIEW | **Topic 1-9 Pages 24,25**  **Topic 7-5 Pages 174,175,176,177**  **Topic 9-8 Pages 224,225,226,227**  **Topic 10-8 Pages 252,253**  **Topic 15-5 Pages 360,361**  **Topic 16-4 Pages 374,375**  **Topic 17-1 Pages 392,393**  **17-2 393,394,395,396,397**  **TN 14,15,20,22,48** |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_18 (cont.)\_\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| GLE 0306.1.2 Apply and adapt a variety of appropriate strategies to problem solving, including estimation, and reasonableness of the solution  --------------------------------------------------------------------------  GLE 0306.1.3 Develop independent reasoning to communicate mathematical ideas and derive algorithms and/or formulas  -------------------------------------------------------------------------  GLE 0306.1.4 Move flexibly between concrete and abstract representations of mathematical ideas in order to solve problems, model mathematical ideas, and communicate solution strategies.  --------------------------------------------------------------------------  GLE 0306.1.6 Read and interpret the language of mathematics and use written/oral communication to express mathematical ideas precisely. | [Estimation Practice](http://www.atschool.co.uk/keystage2/default.asp)  **BrainPOP Jr.** [Basic Addition](http://www.brainpopjr.com/math/additionandsubtraction/basicadding/)  **BrainPOP Jr.** [Basic Subtraction](http://www.brainpopjr.com/math/additionandsubtraction/)  **BrainPOP** [Word Problems](http://www.brainpop.com/math/dataanalysis/wordproblems/)  **BrainPOP** [Estimating](http://www.brainpop.com/math/geometryandmeasurement/estimating/)  **BrainPOP** [Problem Solving Using Tables](http://www.brainpop.com/math/dataanalysis/problemsolvingusingtables/)  **BrainPOP** [Rounding](http://www.brainpop.com/math/numbersandoperations/rounding/)  **BrainPOP** [Using a Calculator](http://www.brainpop.com/math/dataanalysis/usingacalculator/)  ----------------------------------------  XXXXXXXXXXXXXXXX  ---------------------------------------  [Power Point](http://www.pasadenaisd.org/teachertoolbox/PPts/Problem%20Solving.ppt#287,13,TAKS BASED PROBLEM SOLVING MODEL) Problem Solving Strategies  **BrainPOP Jr.** [Basic Addition](http://www.brainpopjr.com/math/additionandsubtraction/basicadding/)  **BrainPOP Jr.** [Basic Subtraction](http://www.brainpopjr.com/math/additionandsubtraction/)  **BrainPOP Jr.** [One Hundred](http://www.brainpopjr.com/math/numbersense/onehundred/)  **BrainPOP Jr.** [Making Equal Groups](http://www.brainpopjr.com/math/multiplicationanddivision/makingequalgroups/)  **BrainPOP** [Word Problems](http://www.brainpop.com/math/dataanalysis/wordproblems/)  **BrainPOP** [Game Theory](http://www.brainpop.com/socialstudies/economics/gametheory/)  **BrainPOP** [Problem Solving Using Tables](http://www.brainpop.com/math/dataanalysis/problemsolvingusingtables/)  **BrainPOP** [Using a Calculator](http://www.brainpop.com/math/dataanalysis/usingacalculator/)  -----------------------------------------  **BrainPOP Jr.** [Comparing Numbers](http://www.brainpopjr.com/math/numbersense/comparingnumbers/)  **BrainPOP Jr.** [One Hundred](http://www.brainpopjr.com/math/numbersense/onehundred/)  **BrainPOP Jr.** [Parts of a Clock](http://www.brainpopjr.com/math/time/partsofaclock/)  **BrainPOP** [Game Theory](http://www.brainpop.com/socialstudies/economics/gametheory/)  **BrainPOP** [Inequalities](http://www.brainpop.com/math/dataanalysis/inequalities/) |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_18 (cont.)\_\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| GLE 0306.1.8 Use technologies/manipulatives appropriately to develop understanding of mathematical algorithms, to facilitate problem solving, and to create accurate and reliable models of mathematical concepts  ----------------------------------------------------------------------------  SPI 0306.1.3 Determine the correct change from a transaction less than a dollar. *(to 50 cents)* | **BrainPOP Jr.** [Comparing Numbers](http://www.brainpopjr.com/math/numbersense/comparingnumbers/)  **BrainPOP Jr.** [One Hundred](http://www.brainpopjr.com/math/numbersense/onehundred/)  **BrainPOP Jr.** [Basic Addition](http://www.brainpopjr.com/math/additionandsubtraction/basicadding/)  **BrainPOP Jr.** [Basic Subtraction](http://www.brainpopjr.com/math/additionandsubtraction/)  **BrainPOP Jr.** [Adding and Subtracting Tens](http://www.brainpopjr.com/math/additionandsubtraction/addingandsubtractingtens/)  **BrainPOP Jr.** [Basic Parts of a Whole](http://www.brainpopjr.com/math/fractions/basicpartsofawhole/)  **BrainPOP Jr.** [Counting Coins](http://www.brainpopjr.com/math/money/countingcoins/)  **BrainPOP Jr.** [Adding with Regrouping](http://www.brainpopjr.com/math/additionandsubtraction/addingwithregrouping/)  **BrainPOP Jr.** [Dollars and Cents](http://www.brainpopjr.com/math/money/dollarsandcents/)  **BrainPOP Jr.** [Making Ten](http://www.brainpopjr.com/math/additionandsubtraction/makingten/)  **BrainPOP Jr.** [Arrays](http://www.brainpopjr.com/math/multiplicationanddivision/arrays/)  **BrainPOP Jr.** [Making Equal Groups](http://www.brainpopjr.com/math/multiplicationanddivision/makingequalgroups/)  **BrainPOP Jr.** [Place Value](http://www.brainpopjr.com/math/numbersense/placevalue/)  **BrainPOP** [Adding and Subtracting Fractions](http://www.brainpop.com/math/numbersandoperations/addingandsubtractingfractions/)  **BrainPOP** [Using a Calculator](http://www.brainpop.com/math/dataanalysis/usingacalculator/)  **BrainPOP** [Word Problems](http://www.brainpop.com/math/dataanalysis/wordproblems/)  **BrainPOP** [Game Theory](http://www.brainpop.com/socialstudies/economics/gametheory/)  ------------------------------------------------------  DEA Resources:   * [Using Dollar Signs & Decimals](http://player.discoveryeducation.com/index.cfm?guidAssetId=2c79ed33-601d-40e1-b8e7-4e0db7678f90&blnPopup=1&productCode=DEA) * [Counting Coins](http://player.discoveryeducation.com/index.cfm?guidAssetId=e2951d1e-6a49-4441-810c-9ed755aae590&blnPopup=1&productCode=DEA) * [Lesson 5: Adding Dollars and Cents](http://player.discoveryeducation.com/index.cfm?guidassetid=a3655825-9315-4b1c-be94-70b07ef2a526) * Funbrain Change Maker * [Mr. Nussbaum Cash Out game](http://www.mrnussbaumgames.com/cashout/index.html) * [Cash Out](http://www.mrnussbaum.com/cashd.htm) * [Funbrain Change Maker](http://www.funbrain.com/cashreg/) * [Making Change](http://www.beaconlearningcenter.com/WebLessons/MakingChange/default.htm) |

**Grade\_\_3\_\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_\_18 (cont.)\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| SPI 0306.1.4 Match the spoken, written, concrete, and pictorial representations of fractions with denominators up to ten.  -------------------------------------------------------------------  SPI 0306.1.5 Represent problems mathematically, using diagrams, numbers, and symbolic expressions. | [Fraction Match Game](http://www.harcourtschool.com/activity/con_math/g03c21.html)  [Flowering Fractions](http://www.beaconlearningcenter.com/WebLessons/FloweringFractions/default.htm)  [Who Wants Pizza?](http://math.rice.edu/~lanius/fractions/index.html)  [Power Point](http://www.pasadenaisd.org/teachertoolbox/PPts/fractions.ppt) Fractions  [Matching](http://www.mathsisfun.com/equivalent_fractions.html)  [Different Fraction Sites](http://www.aaamath.com/fra.html)  DEA Resources:   * [Fractions & a Picnic](http://player.discoveryeducation.com/index.cfm?guidAssetId=82d46648-a28e-47f3-8a0d-c6b4ed4e1535&blnPopup=1&productCode=DEA) * [Making Wholes from a Combination of Halv...](http://player.discoveryeducation.com/index.cfm?guidassetid=7b09a9ff-1f15-41a9-8afd-59a6205840ac)   **BrainPOP Jr.** [Basic Parts of a Whole](http://www.brainpopjr.com/math/fractions/basicpartsofawhole/)  **BrainPOP Jr.** [Comparing Numbers](http://www.brainpopjr.com/math/numbersense/comparingnumbers/)  **BrainPOP Jr.** [One Hundred](http://www.brainpopjr.com/math/numbersense/onehundred/)  **BrainPOP Jr.** [Place Value](http://www.brainpopjr.com/math/numbersense/placevalue/)  **BrainPOP** [Adding and Subtracting Fractions](http://www.brainpop.com/math/numbersandoperations/addingandsubtractingfractions/)  **BrainPOP** [Multiplying and Dividing Fractions](http://www.brainpop.com/math/numbersandoperations/multiplyinganddividingfractions/)  **BrainPOP** [Inequalities](http://www.brainpop.com/math/dataanalysis/inequalities/)  **BrainPOP** [Mixed Numbers](http://www.brainpop.com/math/numbersandoperations/mixednumbers/)  **BrainPOP** [Rational and Irrational Numbers](http://www.brainpop.com/math/numbersandoperations/rationalandirrationalnumbers/)  **BrainPOP** [Word Problems](http://www.brainpop.com/math/dataanalysis/wordproblems/)  ------------------------------------------------------------  **BrainPOP Jr.** [One Hundred](http://www.brainpopjr.com/math/numbersense/onehundred/)  **BrainPOP Jr.** [Time to the Hour](http://www.brainpopjr.com/math/time/timetothehour/)  **BrainPOP Jr.** [Making Equal Groups](http://www.brainpopjr.com/math/multiplicationanddivision/makingequalgroups/)  **BrainPOP** [Inequalities](http://www.brainpop.com/math/dataanalysis/inequalities/)  **BrainPOP** [Problem Solving Using Tables](http://www.brainpop.com/math/dataanalysis/problemsolvingusingtables/)  **BrainPOP** [Word Problems](http://www.brainpop.com/math/dataanalysis/wordproblems/)  **BrainPOP** [Game Theory](http://www.brainpop.com/socialstudies/economics/gametheory/)  **BrainPOP** [Roman Numerals](http://www.brainpop.com/math/numbersandoperations/romannumerals/)  **DEA Resources:**   * [Mental Math](http://player.discoveryeducation.com/index.cfm?guidAssetId=4224142a-ed99-48cd-8789-f30b3339cc83&blnPopup=1&productCode=DEA) * [Estimating Computations](http://player.discoveryeducation.com/index.cfm?guidAssetId=c83a3762-d6f5-4d47-bfea-af08215b688a&blnPopup=1&productCode=DEA) * [Dialogue to Understand Problems](http://player.discoveryeducation.com/index.cfm?guidassetid=581ba9a9-9df2-4e64-a727-f40d7f906dd9) |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_\_18 (cont.)\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| 0306.1.1 Read and write time to the nearest minute.  ----------------------------------------------------------------------------  0306.1.2 Compare and order decimal amounts in the context of money. *(to $1)*  ---------------------------------------------------------------------------  0306.1.3 Count the value of combinations of coins and bills up to five dollars. *(to $1)*  ---------------------------------------------------------------------------  0306.1.4 Analyze problems by identifying relationships, distinguishing relevant from irrelevant information, and observing patterns.  ---------------------------------------------------------------------------  0306.1.5 Determine when and how to break a problem into simpler parts. | [Telling Time to the Minute](http://www.studyzone.org/testprep/math4/e/timeminute.swf)  [Time to nearest minute worksheet](http://www.edhelper.com/math/time_sg415.htm)  [Circle Time to nearest minute worksheet](http://www.edhelper.com/math/time_sg417.htm)  [Learn to Tell Time](http://www.arcytech.org/java/clock/telling_time.html)  [Practice](http://www.amblesideprimary.com/ambleweb/mentalmaths/clock.html)  [Time Practice](http://www.oswego.org/ocsd-web/games/StopTheClock/sthec3.html)  [Telling Time Worksheets](http://www.dositey.com/math/time.htm)  --------------------------------------------  [Put Money Amounts in Order](http://www.ixl.com/math/practice/grade-3-put-money-amounts-in-order)  [Movie](http://www.brainpopjr.com/math/money/)  [Practice](http://www.coe.uh.edu/archive/math/math_lessons/mathles3/tutor.htm)  [Ordering by Decimal](http://www.beaconlearningcenter.com/WebLessons/ShowMeTheMoney/default.htm)  -------------------------------------------  [Eduplace Identify Coin Sums](http://www.eduplace.com/cgi-bin/template/kids/hmm/practice/templates/rules.thtml?ID=hmm07_ep/gr2/1406&GRADE=2&UNIT=6&CHAPTER=14&LESSON=6&UNIT_TITLE=Money%20and%25)  [Eduplace Identify Coin Sums Quiz 4](http://www.eduplace.com/cgi-bin/template/kids/hmm/practice/templates/rules.thtml?ID=hmm07_ep/gr2/1404&GRADE=2&UNIT=6&CHAPTER=14&LESSON=4&UNIT_TITLE=Money%20and%25)  [Eduplace Identify Coin Sums Quiz 3](http://www.eduplace.com/cgi-bin/template/kids/hmm/practice/templates/rules.thtml?ID=hmm07_ep/gr2/1403&GRADE=2&UNIT=6&CHAPTER=14&LESSON=3&UNIT_TITLE=Money%20and%25)  [Eduplace Identify Coin Sums Quiz 2](http://www.eduplace.com/cgi-bin/template/kids/hmm/practice/templates/rules.thtml?ID=hmm07_ep/gr2/1402&GRADE=2&UNIT=6&CHAPTER=14&LESSON=2&UNIT_TITLE=Money%20and%25)  [Counting Money Flashcards](http://www.aplusmath.com/cgi-bin/flashcards/money)  -------------------------------------------  [Number Cracker (math pattern game)](http://www.funbrain.com/cracker/index.html)  [Eduplace Finish and Extend Patterns](http://www.eduplace.com/kids/hmm/practice/templates/rules.jsp?ID=hmm07_ep/gr5/1602&GRADE=5&UNIT=6&CHAPTER=16&LESSON=2&UNIT_TITLE=Geometry%20and%20Measurement&CH)  ----------------------------------  XXXXXXXXXXXXXXXXXXXXXXXX |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_\_\_18\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| 0306.1.6 Use estimation to check answers for reasonableness, and calculators to check for accuracy.  -----------------------------------------------------------------------  0306.1.7 Make and investigate mathematical conjectures.  -----------------------------------------------------------------------  0306.1.8 Explain and justify answers on the basis of mathematical properties, structures, and relationships.  ----------------------------------------------------------------------  0306.1.10 Use correct, clearly written and oral mathematical language to pose questions and communicate ideas.  ----------------------------------------------------------------------  0306.1.11 Develop strategies for solving problems involving addition and subtraction of measurements.  -----------------------------------------------------------------------  0306.1.12 Analyze and evaluate the mathematical thinking and strategies of others.  ----------------------------------------------------------------------  0306.1.13 Create and use representations to organize, record, and communicate mathematical ideas.  ----------------------------------------------------------------------  0306.1.14 Use age-appropriate books, stories, and videos to convey ideas of mathematics. | [Let’s Go Shopping](http://www.beaconlearningcenter.com/WebLessons/LetsGoShopping/default.htm)  [Roundoff](http://www.bbc.co.uk/education/mathsfile/shockwave/games/roundoff.html)  [Estimating a Sum by Rounding](http://www.aaamath.com/B/add38ax1.htm)  ----------------------------------------------------  [Walrus World](http://www.beaconlearningcenter.com/WebLessons/WalrusWorld/default.htm)  [Defined](http://en.wikipedia.org/wiki/Conjecture)  [Use of](http://en.wikipedia.org/wiki/Conjecture#Use_of_conjectures_in_conditional_proofs)  -----------------------------------------------------  XXXXXXXXXXXXXXX  ------------------------------------------  XXXXXXXXXXXXXXX  ------------------------------------------  [Practice](http://sakharov.net/puzzle/fairshare.html?SRC=sakharov)  -----------------------------------------------------  XXXXXXXXXXXXXXX  -----------------------------------------  XXXXXXXXXXXXXXX  -----------------------------------------  [Internet Linked Book Resources](http://www.usbornequicklinks.com/usa/usa_entity_pages/usa_all_links.asp?lvl=1&menu=s70&id=2573)  [Dictionary of Math](http://www.usbornequicklinks.com/usa/usa_entity_pages/usa_select_page.asp?lvl=1&id=1497)  [Brain Pop](http://www.brainpop.com/math/freemovies/)  [Brain Pop, Jr](http://www.brainpopjr.com/math/).  [Eric Carle Stories](http://www.teachnet-lab.org/miami/2003/delancy2/index.htm) |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_\_\_19\_\_\_\_\_**

**Academic Vocabulary: frequency table, tally chart, line plot, pictograph, conjecture**

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|  | **Resources** |
| GRAPHS | **Topic 20-1 Pages 458,459**  **20-2 460,461,462**  **20-3 464,465**  **20-4 466,467**  **20-8 478,479,480,481**  **TN 62,63,44,45,64,46,47** |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_\_19 (cont.)\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| GLE 0306.5.1 Organize, display, and analyze data using various representations to solve problems.  -----------------------------------------------------------------------  0306.5.1 Collect and organize data using observations, surveys, and experiments.  **-----------------------------------------------------------------------**  0306.5.2 Construct a frequency table, bar graph, pictograph, or line plot of collected data.  -----------------------------------------------------------------------  0306.5.3 Compare and interpret different representations of the same data. **(TN 46,47)**  **----------------------------------------------------------------------**  0306.5.4 Solve problems using data from frequency tables, bar graphs, pictographs, or line plots  ---------------------------------------------------------------------.  SPI 0306.5.1 Interpret a frequency table, bar graph, pictograph, or line plot. **(TN 62)**  **---------------------------------------------------------------------------** | **BrainPOP Jr.** [Tally Charts and Bar Graphs](http://www.brainpopjr.com/math/data/tallychartsandbargraphs/)  **BrainPOP Jr.** [Basic Probability](http://www.brainpopjr.com/math/data/basicprobability/)  **BrainPOP** [Graphs](http://www.brainpop.com/math/dataanalysis/graphs/)  ---------------------------------------------------  [**Mathematics and Football**](http://illuminations.nctm.org/LessonDetail.aspx?ID=L212)  [**As People get Older, They get Taller**](http://illuminations.nctm.org/LessonDetail.aspx?ID=U171)  --------------------------------------------------  [Build  Bar Graph](http://www.beaconlearningcenter.com/WebLessons/HowItAllStacksUp/default.htm)  [Let’s Graph](http://math.rice.edu/~lanius/Lessons/graph.html)  [Reading a Bar Graph](http://www.eduplace.com/kids/hmm/practice/templates/rules.jsp?ID=hmm07_ep/gr3/0205&GRADE=3&UNIT=1&CHAPTER=2&LESSON)  [Easy Bar Graph Quiz](http://www.eduplace.com/cgi-bin/template/kids/hmm/practice/templates/rules.thtml?ID=hmm07_ep/gr2/0408&GRADE=2&UNIT=1&CHAPTER=4&LESSON=8&UNIT_TITLE=Number%20Conc)  [Interpreting Bar Graphs](http://www.eduplace.com/cgi-bin/template/kids/hmm/practice/templates/rules.thtml?ID=hmm07_ep/gr4/1501&GRADE=4&UNIT=5&CHAPTER=15&LESSON=1&UNIT_TITLE=Measurement%25)  --------------------------------------------------  [Comparing Data](http://www.bbc.co.uk/schools/ks2bitesize/maths/handling_data.shtml)  -------------------------------------------------  XXXXXXXXXXXXXXXXXXXX  -------------------------------------------------  DEA Resources:   * [What Is a Graph?](http://player.discoveryeducation.com/index.cfm?guidAssetId=e88043df-811e-4202-bacd-5414fdfdd7fa&blnPopup=1&productCode=DEA) * [Example 1--Qualitative Data](http://player.discoveryeducation.com/index.cfm?guidassetid=515e407e-eb21-4593-afc7-9ed9d508422e)   --------------------------------------------------- |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_\_19 (cont.)\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| SPI 0306.5.2 Solve problems in which data is represented in tables or graph. **(TN 63)**    ---------------------------------------------------------------------  SPI 0306.5.3 Make predictions based on various representations of data. **(TN 64)**  **(TN 44,45)** | DEA Resources:   * [Example 1--Center and Spread](http://player.discoveryeducation.com/index.cfm?guidAssetId=1196b448-8579-4b57-9f10-d9855be5bdb7&blnPopup=1&productCode=DEA) * [Lesson 7: Finding Range, Median, and Mod...](http://player.discoveryeducation.com/index.cfm?guidassetid=fbb9d416-24f2-4981-8781-2d4b7a8d201f)   Let’s Graph  [Reading a Bar Graph](http://www.eduplace.com/kids/hmm/practice/templates/rules.jsp?ID=hmm07_ep/gr3/0205&GRADE=3&UNIT=1&CHAPTER=2&LESSON)  [Easy Bar Graph Quiz](http://www.eduplace.com/cgi-bin/template/kids/hmm/practice/templates/rules.thtml?ID=hmm07_ep/gr2/0408&GRADE=2&UNIT=1&CHAPTER=4&LESSON=8&UNIT_TITLE=Number%20Conc)  [Interpreting Bar Graphs](http://www.eduplace.com/cgi-bin/template/kids/hmm/practice/templates/rules.thtml?ID=hmm07_ep/gr4/1501&GRADE=4&UNIT=5&CHAPTER=15&LESSON=1&UNIT_TITLE=Measurement%25)  -------------------------------------------------  DEA Resources:   * [Lesson 8: Solving Problems with Tables a...](http://player.discoveryeducation.com/index.cfm?guidAssetId=9de09172-ea5c-4b35-bc99-7ad7f0ede915&blnPopup=1&productCode=DEA) * [Example 2: Organizing Data](http://player.discoveryeducation.com/index.cfm?guidassetid=bb0f2df3-1828-47ff-8f3b-7d66d64f8540) |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_\_20-21\_\_\_\_\_\_**

**Academic Vocabulary: ounce, mile, liquid measures, kilometer, gram, capacity**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| MEASUREMENT | **Topic 14-1 Pages 328,329,330,331**  **14-2 332,333**  **14-3 334,335,336,337**  **14-4 338,339**  **14-5 340,341**  **Topic 15-1 Pages 350,351**  **15-2 352,353,354**  **15-3 356,357**  **15-4 358,359** |

**Grade\_\_3\_\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_20-21 (cont.)\_\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| GLE 0306.4.5 Solve measurement problems involving fractional parts of linear units and capacity units.  -----------------------------------------------------------------------------  0306.4.10 Use reasonable units of length (i.e. kilometer, meter, centimeter; mile, yard, foot, inch) in estimates and measures.  ----------------------------------------------------------------------------  0306.4.11 Know common equivalences for length (1 meter = 100 centimeters, 1 yard = 3 feet, 1 foot = 12 inches).  ----------------------------------------------------------------------------  SPI 0306.4.5 Choose reasonable units of measure, estimate common measurements using benchmarks, and use appropriate tools to make measurements.**(TN 57)** | **BrainPOP Jr.** [Centimeters, Meters, Kilometers](http://www.brainpopjr.com/math/measurement/centimetersmeterskilometers/)  **BrainPOP Jr.** [Time to the Hour](http://www.brainpopjr.com/math/time/timetothehour/)  **BrainPOP Jr.** [Cups, Pints, Quarts, Gallons](http://www.brainpopjr.com/math/measurement/cupspintsquartsgallons/)  **BrainPOP Jr.** [Inches and Feet](http://www.brainpopjr.com/math/measurement/inchesandfeet/)  **BrainPOP Jr.** [Perimeter](http://www.brainpopjr.com/math/measurement/perimeter/)  **BrainPOP Jr.** [Time to the Quarter and Half Hour](http://www.brainpopjr.com/math/time/timetothequarterandhalfhour/preview.weml)  **BrainPOP Jr.** [Basic Parts of a Whole](http://www.brainpopjr.com/math/fractions/basicpartsofawhole/)  **BrainPOP** [Customary Units](http://www.brainpop.com/math/numbersandoperations/customaryunits/)  **BrainPOP** [Metric Units](http://www.brainpop.com/math/numbersandoperations/metricunits/)  **BrainPOP** [Metric vs. Customary](http://www.brainpop.com/math/geometryandmeasurement/metricvscustomary/)  **BrainPOP** [Adding and Subtracting Fractions](http://www.brainpop.com/math/numbersandoperations/addingandsubtractingfractions/)  [Practice](http://www.fossweb.com/modules3-6/Measurement/index.html)  -------------------------------------------------------  [Online centimeter ruler](http://www.hbschool.com/activity/length_strength1_centi/)  -------------------------------------------------------  [Comparing Metric Lengths](http://www.aaastudy.com/mea69_x6.htm)  [Equivalents Game](http://www.harcourtschool.com/activity/con_math/g04c24.html)  [Matching Equivalents](http://www.theteacherscafe.com/Math/Measurement.php)-  ----------------------------------------------------------  DEA Resources:   * [Estimation Strategies](http://player.discoveryeducation.com/index.cfm?guidAssetId=511a0bed-9049-4637-932e-744e59b13727&blnPopup=1&productCode=DEA) * [Example 2: Estimating Weight](http://player.discoveryeducation.com/index.cfm?guidassetid=3ff07adb-3381-4b00-8c1a-850b8b9e7dd4)   [Which tool to use Game](http://www.harcourtschool.com/activity/choose_the_unit/)  [Customary Lengths](http://www.oswego.org/ocsd-web/match/matchgeneric.asp?filename=length) |

**Grade\_\_3\_\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_20-21 (cont.)\_\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| SPI 0306.4.6 Measure length to the nearest centimeter or half inch. *(nearest cm)* **(TN 56)**  -------------------------------------------------------------------  SPI 0306.4.7 Solve problems requiring the addition and subtraction of lengths. *(inches and cm****)***  **(TN 54)**  **------------------------------------------------------------------** | DEA Resources:   * [Example 1: Measuring Length--Inches and ...](http://player.discoveryeducation.com/index.cfm?guidAssetId=4086b0b3-0753-4d89-bb13-f4f6a147c31d&blnPopup=1&productCode=DEA) * [Using a Ruler](http://player.discoveryeducation.com/index.cfm?guidAssetId=e01ddb22-1a0b-4435-97c2-6723f98a39f6&blnPopup=1&productCode=DEA) * [http://www.funbrain.com/measure/index.ht...](http://www.funbrain.com/measure/index.html) * [Measuring Length](http://player.discoveryeducation.com/index.cfm?guidassetid=f04df046-5659-491d-9bbb-d7ca170839aa)   [Practice Sheet](http://www.atozteacherstuff.com/pdf.htm?math/measurement_lines_cm_5.pdf)  ----------------------------------------------------  DEA Resources:  [Example 2: Weight--Pounds and Ounces](http://player.discoveryeducation.com/index.cfm?guidassetid=c74cc5db-f618-4a29-856f-9796a52cd89e)  ------------------------------------------------------ |

**Grade\_\_3\_\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_\_20-21\_\_\_\_\_\_**

**Academic Vocabulary: distributive, inverse relationships**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| ALGEBRA      GLE 0306.3.1 Develop meaning for and apply the commutative, associative, and distributive properties using various representations. *(distributive)*  *-------------------------------------------------------------------*  0306.2.3 Use parentheses to indicate grouping.  ------------------------------------------------------------------------------  0306.3.3 Use commutative, associative, and distributive properties to multiply whole numbers. *(distributive)*  *-----------------------------------------------------------------------------*  0306.3.4 Solve problems using the commutative, associative, and distributive properties. *(distributive)* | **Topic 8-1 Pages 184,185**  **Topic 18-4 Pages 418,419**  **BrainPOP** [Associative Property](http://www.brainpop.com/math/numbersandoperations/associativeproperty/)  **BrainPOP** [Commutative Property](http://www.brainpop.com/math/numbersandoperations/commutativeproperty/)  **BrainPOP** [Distributive Property](http://www.brainpop.com/math/numbersandoperations/distributiveproperty/)  **BrainPOP** [Equations with Variables](http://www.brainpop.com/math/algebra/equationswithvariables/)  ----------------------------------------------  XXXXXXXXXXXXXXXXXXXXX  ----------------------------------------------  [Addition with Math Cubes](http://jc-schools.net/dynamic/math/lessons/Adding%20with%20Math%20Cubes.pdf)  -----------------------------------------------  XXXXXXXXXXXXXXXXXXXXX |

**Grade\_\_3\_\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_20-21 (cont.)\_\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| SPI 0306.3.1 Verify a conclusion using algebraic properties. *(distributive)* **(TN 23, 6, 7)**  **----------------------------------------------------------------------**  SPI 0306.3.3 Find the missing values in simple multiplication and division equations. *(more complex)***(TN 26)** | **BrainPOP** [Equations with Variables](http://www.brainpop.com/math/algebra/equationswithvariables/)  **DEA Resources:**   * [Properties and Relationships of Arithmet...](http://player.discoveryeducation.com/index.cfm?guidAssetId=48297c2d-9710-473b-8bac-ebf244516f26&blnPopup=1&productCode=DEA) * [Example 3: Adding Decimals Using Mental ...](http://player.discoveryeducation.com/index.cfm?guidassetid=4845f803-6795-4f47-b0ec-f3945b300667)   -------------------------------------------  **BrainPOP Jr.** [Even and Odd](http://www.brainpopjr.com/math/numbersense/evenandodd/)  **BrainPOP** [Word Problems](http://www.brainpop.com/math/dataanalysis/wordproblems/)  **BrainPOP** [Factoring](http://www.brainpop.com/math/numbersandoperations/factoring/)  **BrainPOP** [Two-Step Equations](http://www.brainpop.com/math/algebra/twostepequations/)  **BrainPOP** [Division](http://www.brainpop.com/math/numbersandoperations/division/)  **BrainPOP** [Equations with Variables](http://www.brainpop.com/math/algebra/equationswithvariables/)  **BrainPOP** [Multiplication](http://www.brainpop.com/math/numbersandoperations/multiplication/)  [Missing digits game](http://www.mathsframe.co.uk/missingdigits.swf)  [Solving an equation video](http://www.mathsframe.co.uk/missingdigits.swf)  DEA Resources:  [Introduction](http://player.discoveryeducation.com/index.cfm?guidassetid=cd374d8c-c962-4c45-8b1c-6614c169680e) |

**Grade\_\_3\_\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_22-23\_\_\_\_\_\_\_**

**Academic Vocabulary: unit fraction, denominator (like, unlike), numerator**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| .  FRACTIONS | **Topic 12-1 Pages 276,277**  **12-2 278,279**  **12-3 280,281**  **12-4 282,283**  **12-5 284,285,286**  **12-6 288,289**  **12-7 290,291,292,293**  **12-8 294,295**  **12-9 296,297** |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_22-23 (cont.)\_\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| GLE 0306.2.5 Understand the meaning and uses of fractions.  -----------------------------------------------------------  GLE 0306.2.6 Use various strategies and models to compare and order fractions and identify equivalent fractions.  -------------------------------------------------------------------  GLE 0306.2.7 Add and subtract fractions with like denominators using various models | **BrainPOP Jr.** [Basic Parts of a Whole](http://www.brainpopjr.com/math/fractions/basicpartsofawhole/)  **BrainPOP Jr.** [Time to the Hour](http://www.brainpopjr.com/math/time/timetothehour/)  **BrainPOP Jr.** [Time to the Quarter and Half Hour](http://www.brainpopjr.com/math/time/timetothequarterandhalfhour/preview.weml)  **BrainPOP** [Adding and Subtracting Fractions](http://www.brainpop.com/math/numbersandoperations/addingandsubtractingfractions/)  **BrainPOP** [Multiplying and Dividing Fractions](http://www.brainpop.com/math/numbersandoperations/multiplyinganddividingfractions/)  **BrainPOP** [Rational and Irrational Numbers](http://www.brainpop.com/math/numbersandoperations/rationalandirrationalnumbers/)  -------------------------------------------  **BrainPOP Jr.** [Basic Parts of a Whole](http://www.brainpopjr.com/math/fractions/basicpartsofawhole/)  **BrainPOP** [Mixed Numbers](http://www.brainpop.com/math/numbersandoperations/mixednumbers/)  **BrainPOP** [Multiplying and Dividing Fractions](http://www.brainpop.com/math/numbersandoperations/multiplyinganddividingfractions/)  **BrainPOP** [Adding and Subtracting Fractions](http://www.brainpop.com/math/numbersandoperations/addingandsubtractingfractions/)  **BrainPOP** [Rational and Irrational Numbers](http://www.brainpop.com/math/numbersandoperations/rationalandirrationalnumbers/)  **BrainPOP** [Reducing Fractions](http://www.brainpop.com/math/numbersandoperations/reducingfractions/)  **BrainPOP** [Game Theory](http://www.brainpop.com/socialstudies/economics/gametheory/)  [Using number lines to identify fractions](http://www.visualfractions.com/EnterFraction.html)  [Concentration](http://illuminations.nctm.org/ActivityDetail.aspx?ID=73)  [Using number lines to identify fractions](http://www.visualfractions.com/EnterFraction.html)  ----------------------------------------------  **BrainPOP** [Adding and Subtracting Fractions](http://www.brainpop.com/math/numbersandoperations/addingandsubtractingfractions/)  **BrainPOP** [Mixed Numbers](http://www.brainpop.com/math/numbersandoperations/mixednumbers/)  [Adding fractions with like denominators](http://www.aaamath.com/B/g4_57ax1.htm)  [Subtracting fractions with like denominators](http://www.aaamath.com/B/g4_57bx1.htm)  [Addition with Math Cubes](http://jc-schools.net/dynamic/math/lessons/Adding%20with%20Math%20Cubes.pdf) |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_22-23 (cont.)\_\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| * 0306.2.10 Understand that symbols such as ½, 1/3, and ¼ represent numbers called unit fractions.   ---------------------------------------------   * 0306.2.11 Identify fractions as parts of whole units, as parts of sets, as locations on number lines ,and as division of two whole numbers**. (TN 49**)   --------------------------------------------   * 0306.2.12 Compare fractions using drawings, concrete objects, and benchmark fractions.   -------------------------------------------   * 0306.2.13 Understand that when a whole is divided into equal parts to create unit fractions, the sum of all the parts adds up to one.**(TN 36-37)**   **-------------------------------------------------**  SPI 0306.2.10 Identify equivalent fractions given by various representations. **(TN 50)** | [Fractional Clothesline](http://illuminations.nctm.org/LessonDetail.aspx?ID=L784)  ----------------------------------------------  XXXXXXXXXXXX  -----------------------------------  [Like Fractions](http://www.aaastudy.com/cmp43ax2.htm)  [Comparing fractions worksheets](http://www.bbc.co.uk/skillswise/numbers/fractiondecimalpercentage/fractions/comparingfractions/factsheet.shtml)  ---------------------------------------------  [Making fractions](http://www.harcourtschool.com/activity/bowling_for_fractions/)  --------------------------------------------  **BrainPOP Jr.** [Basic Parts of a Whole](http://www.brainpopjr.com/math/fractions/basicpartsofawhole/)  **BrainPOP** [Mixed Numbers](http://www.brainpop.com/math/numbersandoperations/mixednumbers/)  **BrainPOP** [Multiplying and Dividing Fractions](http://www.brainpop.com/math/numbersandoperations/multiplyinganddividingfractions/)  **BrainPOP** [Adding and Subtracting Fractions](http://www.brainpop.com/math/numbersandoperations/addingandsubtractingfractions/)  [TV411 Math Fractions](http://www.tv411.org/lessons/cfm/math.cfm?str=math&num=2&act=1)  [AAA Beginning Fractions](http://www.321know.com/fra16_x2.htm)  [Bowling for Fractions](http://www.harcourtschool.com/activity/bowling_for_fractions/)  [Fraction Frenzy](http://www.learningplanet.com/sam/ff/index.asp)  DEA Resources:  [Common Factors](http://player.discoveryeducation.com/index.cfm?guidassetid=6a671a6c-5efc-45ba-a90f-f260509285a1) |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_\_22-23\_(cont.)\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| SPI 0306.2.11 Recognize and use different interpretations of fractions **(TN 49)**  **----------------------------------------------------**  .  SPI 0306.2.12 Name fractions in various contexts that are less than, equal to, or greater than one. **(TN 38, 39, 51)**  **---------------------------------------------------** | **BrainPOP Jr.** [Basic Parts of a Whole](http://www.brainpopjr.com/math/fractions/basicpartsofawhole/)  **BrainPOP** [Adding and Subtracting Fractions](http://www.brainpop.com/math/numbersandoperations/addingandsubtractingfractions/)  **BrainPOP** [Mixed Numbers](http://www.brainpop.com/math/numbersandoperations/mixednumbers/)  **BrainPOP** [Multiplying and Dividing Fractions](http://www.brainpop.com/math/numbersandoperations/multiplyinganddividingfractions/)  **BrainPOP** [Rational and Irrational Numbers](http://www.brainpop.com/math/numbersandoperations/rationalandirrationalnumbers/)  PowerPoint Flash Math Fractions  DEA Resources:  [Example 1: Adding Fractions with a Commo...](http://player.discoveryeducation.com/index.cfm?guidassetid=dc1dc627-b216-4b58-b8f7-1053a36d8126)  -------------------------------------------  **BrainPOP Jr.** [Basic Parts of a Whole](http://www.brainpopjr.com/math/fractions/basicpartsofawhole/)  **BrainPOP** [Inequalities](http://www.brainpop.com/math/dataanalysis/inequalities/)  **BrainPOP** [Rational and Irrational Numbers](http://www.brainpop.com/math/numbersandoperations/rationalandirrationalnumbers/)  [Like Fractions](http://www.aaastudy.com/cmp43ax2.htm)  [PowerPoint Flash Math Fractions](http://www.lexington1.net/technology/instruct/ppts/mathppts/number%20operations/Fractions%20I.ppt#257,6,¾ looks like)  [Game](http://www.jamit.com.au/htmlFolder/app1005.html)  DEA Resources:  [Example 1: Whole Numbers, Fractions, and...](http://player.discoveryeducation.com/index.cfm?guidassetid=0a255019-c460-418a-9a9b-16693b962a2f)-  -------------------------------------------- |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_22-23 (CONT.)\_\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| SPI 0306.2.13 Recognize, compare, and order fractions (benchmark fractions, common numerators, or common denominators). **(TN 52)**  **----------------------------------------------------**  SPI 0306.2.14 Add and subtract fractions with like denominators **(TN 53)** | [Adding and Subtracting Fractions](http://www.brainpop.com/math/numbersandoperations/addingandsubtractingfractions/)  **BrainPOP** **BrainPOP Jr.** [Basic Parts of a Whole](http://www.brainpopjr.com/math/fractions/basicpartsofawhole/)  **BrainPOP** [Multiplying and Dividing Fractions](http://www.brainpop.com/math/numbersandoperations/multiplyinganddividingfractions/)  **BrainPOP** [Rational and Irrational Numbers](http://www.brainpop.com/math/numbersandoperations/rationalandirrationalnumbers/)  [Eduplace Comparing Fractions Quiz](http://www.eduplace.com/kids/hmm/practice/templates/rules.jsp?ID=hmm07_ep/gr3/1901&GRADE=3&UNIT=7&CHAPTER=19&LESSON=1&UNIT_TITLE=Fractions%20and%20Decimals&CHAP)  DEA Resources:   * [Fractions & a Picnic](http://player.discoveryeducation.com/index.cfm?guidAssetId=82d46648-a28e-47f3-8a0d-c6b4ed4e1535&blnPopup=1&productCode=DEA) * [Example 1: Whole Numbers, Fractions, and...](http://player.discoveryeducation.com/index.cfm?guidassetid=0a255019-c460-418a-9a9b-16693b962a2f)   [Eduplace Comparing Fractions Quiz Grade 2](http://www.eduplace.com/cgi-bin/template/kids/hmm/practice/templates/rules.thtml?ID=hmm07_ep/gr2/0904&GRADE=2&UNIT=3&CHAPTER=9&LESSON=4&UNIT_TITLE=Geometry%20an)  ---------------------------------------------------  **BrainPOP Jr.** [Comparing Numbers](http://www.brainpopjr.com/math/numbersense/comparingnumbers/)  **BrainPOP Jr.** [Even and Odd](http://www.brainpopjr.com/math/numbersense/evenandodd/)  **BrainPOP Jr.** [One Hundred](http://www.brainpopjr.com/math/numbersense/onehundred/)  **BrainPOP** [Adding and Subtracting Fractions](http://www.brainpop.com/math/numbersandoperations/addingandsubtractingfractions/)  [Addition Power Point](http://www.lexington1.net/technology/?page=instruct/powerpoint.htm#math)  [Subtract Power Point](http://www.lexington1.net/technology/?page=instruct/powerpoint.htm#math)  [Addition Practice](http://www.funbrain.com/cgi-bin/fract.cgi?A1=s&A2=0&A15=1)   Subtraction Practice  DEA Resources:   * [Creating Hexagons](http://player.discoveryeducation.com/index.cfm?guidAssetId=c8426135-6e15-4e7a-bb12-69c9e5beb397&blnPopup=1&productCode=DEA) * [Example 3: Algebraic Representation--Gey...](http://player.discoveryeducation.com/index.cfm?guidassetid=3a3085e7-5af9-4f20-bd03-a731744df227) |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_24\_\_\_\_\_\_\_**

**Academic Vocabulary: product, multiples, factor, array**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| MULTIPLICATION | **Topic 5-3 Pages 114,115**  **5-4 116,117**  **Topic 6-3 Pages 144,145,146**  **6-4 148,149**  **Topic 5-8 Pages 128,129**  **Topic 7-3 Pages 170,171** |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_24 (cont.)\_\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| GLE 0306.2.2 Develop understanding of multiplication and related division facts through multiple strategies and representations.  -----------------------------------------------------------------------------  GLE 0306.2.4 Solve multiplication and division problems using various representations.  --------------------------------------------------------------------------- | **BrainPOP Jr.** [Making Equal Groups](http://www.brainpopjr.com/math/multiplicationanddivision/makingequalgroups/)  **BrainPOP Jr.** [Arrays](http://www.brainpopjr.com/math/multiplicationanddivision/arrays/)  **BrainPOP** [Multiplication](http://www.brainpop.com/math/numbersandoperations/multiplication/)  **BrainPOP** [Factoring](http://www.brainpop.com/math/numbersandoperations/factoring/)  **BrainPOP** [Division](http://www.brainpop.com/math/numbersandoperations/division/)  [Lesson/Practice](http://www.aaaknow.com/g34d_ix1.htm)  [Practice](http://www.aaaknow.com/g34c_ix1.htm)  ---------------------------------------------------  **BrainPOP Jr.** [Making Equal Groups](http://www.brainpopjr.com/math/multiplicationanddivision/makingequalgroups/)  **BrainPOP Jr.** [Even and Odd](http://www.brainpopjr.com/math/numbersense/evenandodd/)  **BrainPOP** [Using a Calculator](http://www.brainpop.com/math/dataanalysis/usingacalculator/)  **BrainPOP** [Division](http://www.brainpop.com/math/numbersandoperations/division/)  **BrainPOP** [Word Problems](http://www.brainpop.com/math/dataanalysis/wordproblems/)  **BrainPOP** [Multiplication](http://www.brainpop.com/math/numbersandoperations/multiplication/)  **BrainPOP** [Factoring](http://www.brainpop.com/math/numbersandoperations/factoring/)  **BrainPOP** [Game Theory](http://www.brainpop.com/socialstudies/economics/gametheory/)  [Problems](http://www.aaaknow.com/g310_mx4.htm)  [Name That Fraction](http://nlvm.usu.edu/en/nav/frames_asid_104_g_2_t_1.html)  [Power Point](http://www.pasadenaisd.org/teachertoolbox/PPts/Fractions-LCR.ppt) on Fractions  --------------------------------------------------- |

**Grade\_\_3\_\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_\_24 (cont.)\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| SPI 0306.2.5 Identify various representations of multiplication and division. **(TN 24)**  ----------------------------------------------------------------------  SPI 0306.2.6 Recall basic multiplication facts through 10 times10 and the related division facts.**(TN 27)** | **BrainPOP Jr.** [Arrays](http://www.brainpopjr.com/math/multiplicationanddivision/arrays/)  **BrainPOP Jr.** [Making Equal Groups](http://www.brainpopjr.com/math/multiplicationanddivision/makingequalgroups/)  **BrainPOP Jr.** [Even and Odd](http://www.brainpopjr.com/math/numbersense/evenandodd/)  **BrainPOP Jr.** [Making Ten](http://www.brainpopjr.com/math/additionandsubtraction/makingten/)  **BrainPOP** [Division](http://www.brainpop.com/math/numbersandoperations/division/)  **BrainPOP** [Multiplication](http://www.brainpop.com/math/numbersandoperations/multiplication/)  **DEA Resources:**   * [Multiplication](http://player.discoveryeducation.com/index.cfm?guidAssetId=3d63ea6c-634c-493f-9f26-647d0b2f4209&blnPopup=1&productCode=DEA) * [http://www.naturalmath.com/mult/mult2.ht...](http://www.naturalmath.com/mult/mult2.html) * [Adding and Multiplying](http://player.discoveryeducation.com/index.cfm?guidassetid=e090235f-2c40-48fe-ae75-c9a87b26d0ba)   -------------------------------------------------------  **BrainPOP Jr.** [Arrays](http://www.brainpopjr.com/math/multiplicationanddivision/arrays/)  **BrainPOP Jr.** [Making Equal Groups](http://www.brainpopjr.com/math/multiplicationanddivision/makingequalgroups/)  **BrainPOP** [Multiplication](http://www.brainpop.com/math/numbersandoperations/multiplication/)  **BrainPOP** [Factoring](http://www.brainpop.com/math/numbersandoperations/factoring/)  **BrainPOP** [Division](http://www.brainpop.com/math/numbersandoperations/division/)  **PowerPoint** [**Multiplying By 3**](http://jc-schools.net/dynamic/math/ppt/multiplication%20review%203s.ppt)[**Multiplication.com**](http://www.multiplication.com/resources.htm)  [**Farm Stand**](http://www.prongo.com/farm/index.html)  [**Flashcards**](http://www.multiplication.com/flashcards.htm)  [**Basic Facts Practice**](http://www.mathplayground.com/multiplication01.html)  [**Facts Practice Worksheets**](http://math.about.com/cs/multiplication/a/multws.htm)  [**Facts Practice**](http://www.mathsisfun.com/timestable.html)  [**Free Multiplication Worksheets**](http://www.math-drills.com/multiplication.shtml)  [**Facts Drill**](http://www.primarygames.com/flashcards/multiplication/start.htm)  [Multiplication Tic Tac Toe](http://www.primarygames.com/math/multiplication/start.htm)  [Flo Explains a Multiplication Problem](http://player.discoveryeducation.com/index.cfm?guidassetid=2caad7dd-bffc-4610-9d2f-4e2bcff5ebcb) |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_\_24 (cont.)\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| SPI 0306.2.8 Solve problems that involve the inverse relationship between multiplication and division. **(TN 25, 10, 11)**  **------------------------------------------------------------------**   * 0306.2.9 Describe contexts for multiplication and division facts. | **BrainPOP** [Multiplication](http://www.brainpop.com/math/numbersandoperations/multiplication/)  **BrainPOP** [Division](http://www.brainpop.com/math/numbersandoperations/division/)  [Division practice](http://www.mathsisfun.com/numbers/division.html)  [Relate division to multiplication](http://www.mhschool.com/math/mathconnects/grade3/sg3c6lesson2.html)  [Inverse relationships between multiplication and division](http://www.mhschool.com/math/mathconnects/grade3/sg3c6lesson2.html)  [What Number Replaces the Question marks?](http://www.aaamath.com/B/g4_34cx1.htm#pgtp)  DEA Resources:   * [Example 2: Adding and Subtracting](http://player.discoveryeducation.com/index.cfm?guidAssetId=13860516-de8f-49f5-b920-4335f87e27f0&blnPopup=1&productCode=DEA) * [Example 1: Problems Involving Addition a...](http://player.discoveryeducation.com/index.cfm?guidassetid=1e3d6a2c-b7b6-40fc-8790-73e9f6ab0d70)   -------------------------------------------------  [BBC Skillswise Times Tables](http://www.bbc.co.uk/skillswise/numbers/wholenumbers/multiplication/timestables/)  [Toon University 0-5 as Factors Game](http://www.toonuniversity.com/aol/3m_mult5.swf)  [Bonk the Moles Game](http://www.multiplication.com/flash/moles.swf) |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_\_25, 26, 27\_\_\_\_\_\_**

**Academic Vocabulary: conclusion, inverse relationships**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| ADDITION/SUBTRACTION | **Topic 2-6 Pages 48,29**  **2-7 50,51,52**  **2-8 54,55**  **2-9 56,57**  **Topic 4-2 Pages 88,89**  **4-4 92,93,94** |

**Grade\_\_\_\_3\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_25, 26, 27 (cont.)\_\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| GLE 0306.2.1 Understand the place value of whole numbers to ten-thousands place including expanded notation for all arithmetic operations.  ---------------------------------------------------------------------------------  GLE 0306.1.2 Apply and adapt a variety of appropriate strategies to problem solving, including estimation, and reasonableness of the solution.  ----------------------------------------------------------------------------------- | **BrainPOP Jr.** [Even and Odd](http://www.brainpopjr.com/math/numbersense/evenandodd/)  **BrainPOP Jr.** [Basic Addition](http://www.brainpopjr.com/math/additionandsubtraction/basicadding/)  **BrainPOP Jr.** [Basic Subtraction](http://www.brainpopjr.com/math/additionandsubtraction/)  **BrainPOP Jr.** [One Hundred](http://www.brainpopjr.com/math/numbersense/onehundred/)  **BrainPOP Jr.** [Adding and Subtracting Tens](http://www.brainpopjr.com/math/additionandsubtraction/addingandsubtractingtens/)  **BrainPOP Jr.** [Counting On](http://www.brainpopjr.com/math/additionandsubtraction/countingon/)  **BrainPOP Jr.** [Doubles](http://www.brainpopjr.com/math/additionandsubtraction/doubles/)  **BrainPOP Jr.** [Making Ten](http://www.brainpopjr.com/math/additionandsubtraction/makingten/)  **BrainPOP Jr.** [Comparing Numbers](http://www.brainpopjr.com/math/numbersense/comparingnumbers/)  **BrainPOP Jr.** [Place Value](http://www.brainpopjr.com/math/numbersense/placevalue/)  **BrainPOP** [Rounding](http://www.brainpop.com/math/numbersandoperations/rounding/)  **BrainPOP** [Division](http://www.brainpop.com/math/numbersandoperations/division/)  **BrainPOP** [Multiplication](http://www.brainpop.com/math/numbersandoperations/multiplication/)  [There Must Be Thousands](http://www.beaconlearningcenter.com/WebLessons/ThereMustBeThousands/default.htm)  [What’s Your Name?](http://www.beaconlearningcenter.com/WebLessons/WhatsYourName/default.htm)  -----------------------------------------------  [Estimation Practice](http://www.atschool.co.uk/keystage2/default.asp)  **BrainPOP Jr.** [Basic Addition](http://www.brainpopjr.com/math/additionandsubtraction/basicadding/)  **BrainPOP Jr.** [Basic Subtraction](http://www.brainpopjr.com/math/additionandsubtraction/)  **BrainPOP** [Word Problems](http://www.brainpop.com/math/dataanalysis/wordproblems/)  **BrainPOP** [Estimating](http://www.brainpop.com/math/geometryandmeasurement/estimating/)  **BrainPOP** [Problem Solving Using Tables](http://www.brainpop.com/math/dataanalysis/problemsolvingusingtables/)  **BrainPOP** [Rounding](http://www.brainpop.com/math/numbersandoperations/rounding/)  **BrainPOP** [Using a Calculator](http://www.brainpop.com/math/dataanalysis/usingacalculator/)  ----------------------------------------------- |

**Grade\_\_3\_\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_25, 26, 27 (cont.)\_\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| SPI 0306.2.9 Solve contextual problems involving the addition (with and without regrouping) and subtraction (with and without regrouping) of two- and three digit whole numbers. **(TN 21)**  ---------------------------------------------------------------------------   * 0306.2.3 Use parentheses to indicate grouping.   ---------------------------------------------------------------   * 0306.2.4 Use a variety of methods to perform mental computations and compare the efficiency of those methods.   --------------------------------------------------------------   * 0306.2.6 Solve a variety of addition and subtraction story problems including those with irrelevant information. | **BrainPOP Jr.** [Adding with Regrouping](http://www.brainpopjr.com/math/additionandsubtraction/addingwithregrouping/)  **BrainPOP Jr.** [Basic Subtraction](http://www.brainpopjr.com/math/additionandsubtraction/)  **BrainPOP Jr.** [Basic Addition](http://www.brainpopjr.com/math/additionandsubtraction/basicadding/)  **BrainPOP Jr.** [Making Ten](http://www.brainpopjr.com/math/additionandsubtraction/makingten/)    PowerPoint [Subtraction Across a Zero](http://jc-schools.net/dynamic/math/ppt/Subtraction%20Across%20a%20Zero.ppt)  PowerPoint [Subtraction with regroup](http://jc-schools.net/dynamic/math/ppt/Subtraction%20With%20Regrouping.ppt)    PowerPoint [**Three Digit Subtraction**](http://jc-schools.net/dynamic/math/ppt/3digitsubtraction.ppt)  DEA Resources:   * [Estimating Computations](http://player.discoveryeducation.com/index.cfm?guidAssetId=c83a3762-d6f5-4d47-bfea-af08215b688a&blnPopup=1&productCode=DEA) * [http://www.janbrett.com/piggybacks/round...](http://www.janbrett.com/piggybacks/rounding.htm#quiz) * [Viewers' Challenge](http://player.discoveryeducation.com/index.cfm?guidassetid=3b372fa6-6769-4df6-98c4-8066f7417f58)   --------------------------------------------------  XXXXXXXXXXXXXXXXXX  ----------------------------------------------------  XXXXXXXXXXXXXXXXXX  ----------------------------------------------------  [Is That a Fact?](http://www.beaconlearningcenter.com/WebLessons/IsThatAFact/default.htm)  [Activity](http://www.aaaknow.com/g36a_cx1.htm) |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_25, 26, 27\_\_\_\_\_\_\_**

**Academic Vocabulary: change, inverse relationships, reasonableness, conclusion, pictograph, tally chart, frequency table, line plot**

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| --- | --- |
| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| .  REVIEW | **Topic 1-7 Pages 18,19,20,21**  **1-8 22,23**  **Topic 17-1 Pages 392,393,394**  **17-2 396,397**  **17-4 400,401**  **Topic 6-7 Pages 154,155,156**  **Topic 19-6 Pages 448,449,450,451**  **Topic 8-6 Pages 196,197,198**  **Topic 18-7 Pages 426,427,428**  **Topic 10-8 Pages 252,253**  **Topic 20-9 Pages 482,483** |

**Grade\_\_3\_\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_25, 26, 27 (cont.)\_\_\_\_\_\_\_**

**Academic Vocabulary:**

|  |  |
| --- | --- |
| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| GLE 0306.1.1 Use mathematical language, symbols, and definitions while developing mathematical reasoning.  ----------------------------------------------------------------------  GLE 0306.1.2 Apply and adapt a variety of appropriate strategies to problem solving, including estimation, and reasonableness of the solution.  -------------------------------------------------------------------  GLE 0306.1.3 Develop independent reasoning to communicate mathematical ideas and derive algorithms and/or formulas.  ------------------------------------------------------  GLE 0306.1.4 Move flexibly between concrete and abstract representations of mathematical ideas in order to solve problems, model mathematical ideas, and communicate solution strategies | [Games that include all number processes](http://www.bbc.co.uk/schools/ks2bitesize/maths/number/)  [Cool Math for Kids- All areas in math](http://www.coolmath4kids.com/)  **BrainPOP** [Word Problems](http://www.brainpop.com/math/dataanalysis/wordproblems/)  -------------------------------------  [Estimation Practice](http://www.atschool.co.uk/keystage2/default.asp)  **BrainPOP Jr.** [Basic Addition](http://www.brainpopjr.com/math/additionandsubtraction/basicadding/)  **BrainPOP Jr.** [Basic Subtraction](http://www.brainpopjr.com/math/additionandsubtraction/)  **BrainPOP** [Word Problems](http://www.brainpop.com/math/dataanalysis/wordproblems/)  **BrainPOP** [Estimating](http://www.brainpop.com/math/geometryandmeasurement/estimating/)  **BrainPOP** [Problem Solving Using Tables](http://www.brainpop.com/math/dataanalysis/problemsolvingusingtables/)  **BrainPOP** [Rounding](http://www.brainpop.com/math/numbersandoperations/rounding/)  **BrainPOP** [Using a Calculator](http://www.brainpop.com/math/dataanalysis/usingacalculator/)  ----------------------------------  XXXXXXXXXXXXX  ----------------------------------  [Power Point](http://www.pasadenaisd.org/teachertoolbox/PPts/Problem%20Solving.ppt#287,13,TAKS BASED PROBLEM SOLVING MODEL) Problem Solving Strategies  **BrainPOP Jr.** [Basic Addition](http://www.brainpopjr.com/math/additionandsubtraction/basicadding/)  **BrainPOP Jr.** [Basic Subtraction](http://www.brainpopjr.com/math/additionandsubtraction/)  **BrainPOP Jr.** [One Hundred](http://www.brainpopjr.com/math/numbersense/onehundred/)  **BrainPOP Jr.** [Making Equal Groups](http://www.brainpopjr.com/math/multiplicationanddivision/makingequalgroups/)  **BrainPOP** [Word Problems](http://www.brainpop.com/math/dataanalysis/wordproblems/)  **BrainPOP** [Game Theory](http://www.brainpop.com/socialstudies/economics/gametheory/)  **BrainPOP** [Problem Solving Using Tables](http://www.brainpop.com/math/dataanalysis/problemsolvingusingtables/)  **BrainPOP** [Using a Calculator](http://www.brainpop.com/math/dataanalysis/usingacalculator/) |

**Grade\_\_3\_\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_25, 26, 27 (cont.)\_\_\_\_\_\_\_**

**Academic Vocabulary:**

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| --- | --- |
| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| GLE 0306.1.5 Use mathematical ideas and processes in different settings to formulate patterns, analyze graphs, set up and solve problems and interpret solutions.  --------------------------------------------------------------  GLE 0306.1.6 Read and interpret the language of mathematics and use written/oral communication to express mathematical ideas precisely.  --------------------------------------------------------------  GLE 0306.1.7 Recognize the historical development of mathematics, mathematics in context, and the connections between mathematics and the real world. | **BrainPOP Jr.** [Basic Addition](http://www.brainpopjr.com/math/additionandsubtraction/basicadding/)  **BrainPOP Jr.** [Basic Subtraction](http://www.brainpopjr.com/math/additionandsubtraction/)  **BrainPOP Jr.** [Tally Charts and Bar Graphs](http://www.brainpopjr.com/math/data/tallychartsandbargraphs/)  **BrainPOP Jr.** [Making Ten](http://www.brainpopjr.com/math/additionandsubtraction/makingten/)  **BrainPOP Jr.** [Patterns](http://www.brainpopjr.com/math/geometry/patterns/)  **BrainPOP** [Word Problems](http://www.brainpop.com/math/dataanalysis/wordproblems/)  **BrainPOP** [Problem Solving Using Tables](http://www.brainpop.com/math/dataanalysis/problemsolvingusingtables/)  **BrainPOP** [Graphs](http://www.brainpop.com/math/dataanalysis/graphs/)  **BrainPOP** [Game Theory](http://www.brainpop.com/socialstudies/economics/gametheory/)  **BrainPOP** [Coordinate Plane](http://www.brainpop.com/math/geometryandmeasurement/coordinateplane/)  -------------------------------------------------  **BrainPOP Jr.** [Comparing Numbers](http://www.brainpopjr.com/math/numbersense/comparingnumbers/)  **BrainPOP Jr.** [One Hundred](http://www.brainpopjr.com/math/numbersense/onehundred/)  **BrainPOP Jr.** [Parts of a Clock](http://www.brainpopjr.com/math/time/partsofaclock/)  **BrainPOP** [Game Theory](http://www.brainpop.com/socialstudies/economics/gametheory/)  **BrainPOP** [Inequalities](http://www.brainpop.com/math/dataanalysis/inequalities/)  -------------------------------------------------  **BrainPOP Jr.** [One Hundred](http://www.brainpopjr.com/math/numbersense/onehundred/)  **BrainPOP** [Game Theory](http://www.brainpop.com/socialstudies/economics/gametheory/)  **BrainPOP** [Using a Calculator](http://www.brainpop.com/math/dataanalysis/usingacalculator/)  [Create a Graph](http://nces.ed.gov/nceskids/createagraph/default.aspx) |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_\_25, 26, 27 (cont.)\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| GLE 0306.1.8 Use technologies/manipulatives appropriately to develop understanding of mathematical algorithms, to facilitate problem solving, and to create accurate and reliable models of mathematical concepts.  -----------------------------------------------------------------------   * 0306.1.1 Read and write time to the nearest minute | **BrainPOP Jr.** [Comparing Numbers](http://www.brainpopjr.com/math/numbersense/comparingnumbers/)  **BrainPOP Jr.** [One Hundred](http://www.brainpopjr.com/math/numbersense/onehundred/)  **BrainPOP Jr.** [Basic Addition](http://www.brainpopjr.com/math/additionandsubtraction/basicadding/)  **BrainPOP Jr.** [Basic Subtraction](http://www.brainpopjr.com/math/additionandsubtraction/)  **BrainPOP Jr.** [Adding and Subtracting Tens](http://www.brainpopjr.com/math/additionandsubtraction/addingandsubtractingtens/)  **BrainPOP Jr.** [Basic Parts of a Whole](http://www.brainpopjr.com/math/fractions/basicpartsofawhole/)  **BrainPOP Jr.** [Counting Coins](http://www.brainpopjr.com/math/money/countingcoins/)  **BrainPOP Jr.** [Adding with Regrouping](http://www.brainpopjr.com/math/additionandsubtraction/addingwithregrouping/)  **BrainPOP Jr.** [Dollars and Cents](http://www.brainpopjr.com/math/money/dollarsandcents/)  **BrainPOP Jr.** [Making Ten](http://www.brainpopjr.com/math/additionandsubtraction/makingten/)  **BrainPOP Jr.** [Arrays](http://www.brainpopjr.com/math/multiplicationanddivision/arrays/)  **BrainPOP Jr.** [Making Equal Groups](http://www.brainpopjr.com/math/multiplicationanddivision/makingequalgroups/)  **BrainPOP Jr.** [Place Value](http://www.brainpopjr.com/math/numbersense/placevalue/)  **BrainPOP** [Adding and Subtracting Fractions](http://www.brainpop.com/math/numbersandoperations/addingandsubtractingfractions/)  **BrainPOP** [Using a Calculator](http://www.brainpop.com/math/dataanalysis/usingacalculator/)  **BrainPOP** [Word Problems](http://www.brainpop.com/math/dataanalysis/wordproblems/)  **BrainPOP** [Game Theory](http://www.brainpop.com/socialstudies/economics/gametheory/)  ---------------------------------------------------------  [Telling Time to the Minute](http://www.studyzone.org/testprep/math4/e/timeminute.swf)  [Time to nearest minute worksheet](http://www.edhelper.com/math/time_sg415.htm)  [Circle Time to nearest minute worksheet](http://www.edhelper.com/math/time_sg417.htm)  [Learn to Tell Time](http://www.arcytech.org/java/clock/telling_time.html)  [Practice](http://www.amblesideprimary.com/ambleweb/mentalmaths/clock.html)  [Time Practice](http://www.oswego.org/ocsd-web/games/StopTheClock/sthec3.html)  [Telling Time Worksheets](http://www.dositey.com/math/time.htm) |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_25, 26, 27 (cont.)\_\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| * 0306.1.2 Compare and order decimal amounts in the context of money.   --------------------------------------------------------------------------------   * 0306.1.3 Count the value of combinations of coins and bills up to five dollars.   ------------------------------------------------------------------   * 0306.1.4 Analyze problems by identifying relationships, distinguishing relevant from irrelevant information, and observing patterns.   ----------------------------------------------------------------------------------   * 0306.1.5 Determine when and how to break a problem into simpler parts.   ------------------------------------------------------------------------------------   * 0306.1.6 Use estimation to check answers for reasonableness, and calculators to check for accuracy. | [Put Money Amounts in Order](http://www.ixl.com/math/practice/grade-3-put-money-amounts-in-order)  [Movie](http://www.brainpopjr.com/math/money/)  [Practice](http://www.coe.uh.edu/archive/math/math_lessons/mathles3/tutor.htm)  [Ordering by Decimal](http://www.beaconlearningcenter.com/WebLessons/ShowMeTheMoney/default.htm)  --------------------------------------------------  [Eduplace Identify Coin Sums](http://www.eduplace.com/cgi-bin/template/kids/hmm/practice/templates/rules.thtml?ID=hmm07_ep/gr2/1406&GRADE=2&UNIT=6&CHAPTER=14&LESSON=6&UNIT_TITLE=Money%20and%25)  [Eduplace Identify Coin Sums Quiz 4](http://www.eduplace.com/cgi-bin/template/kids/hmm/practice/templates/rules.thtml?ID=hmm07_ep/gr2/1404&GRADE=2&UNIT=6&CHAPTER=14&LESSON=4&UNIT_TITLE=Money%20and%25)  [Eduplace Identify Coin Sums Quiz 3](http://www.eduplace.com/cgi-bin/template/kids/hmm/practice/templates/rules.thtml?ID=hmm07_ep/gr2/1403&GRADE=2&UNIT=6&CHAPTER=14&LESSON=3&UNIT_TITLE=Money%20and%25)  [Eduplace Identify Coin Sums Quiz 2](http://www.eduplace.com/cgi-bin/template/kids/hmm/practice/templates/rules.thtml?ID=hmm07_ep/gr2/1402&GRADE=2&UNIT=6&CHAPTER=14&LESSON=2&UNIT_TITLE=Money%20and%25)  [Counting Money Flashcards](http://www.aplusmath.com/cgi-bin/flashcards/money)  ------------------------------------------------  [Number Cracker (math pattern game)](http://www.funbrain.com/cracker/index.html)  [Eduplace Finish and Extend Patterns](http://www.eduplace.com/kids/hmm/practice/templates/rules.jsp?ID=hmm07_ep/gr5/1602&GRADE=5&UNIT=6&CHAPTER=16&LESSON=2&UNIT_TITLE=Geometry%20and%20Measurement&CH)  -----------------------------------------  XXXXXXXXXXXXXXX  -----------------------------------------  [Let’s Go Shopping](http://www.beaconlearningcenter.com/WebLessons/LetsGoShopping/default.htm)  [Roundoff](http://www.bbc.co.uk/education/mathsfile/shockwave/games/roundoff.html)  [Estimating a Sum by Rounding](http://www.aaamath.com/B/add38ax1.htm) |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_25, 26, 27\_\_\_\_\_\_\_**

**Academic Vocabulary:**

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| --- | --- |
| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| * 0306.1.7 Make and investigate mathematical conjectures.   ----------------------------------------------------------------------   * 0306.1.8 Explain and justify answers on the basis of mathematical properties, structures, and relationships.   -----------------------------------------------------------------------   * 0306.1.9 Use manipulatives to demonstrate that the commutative property holds for addition but not for subtraction.   -----------------------------------------------------------------------   * 0306.1.10 Use correct, clearly written and oral mathematical language to pose questions and communicate ideas.   -----------------------------------------------------------------------   * 0306.1.11 Develop strategies for solving problems involving addition and subtraction of measurements.   ----------------------------------------------------------------------   * 0306.1.12 Analyze and evaluate the mathematical thinking and strategies of others. **(TN 14, 15)**   ----------------------------------------------------------------------   * 0306.1.13 Create and use representations to organize, record, and communicate mathematical ideas. | [Walrus World](http://www.beaconlearningcenter.com/WebLessons/WalrusWorld/default.htm)  [Defined](http://en.wikipedia.org/wiki/Conjecture)  [Use of](http://en.wikipedia.org/wiki/Conjecture#Use_of_conjectures_in_conditional_proofs)  -------------------------------------------  XXXXXXXXXXXXXXXXXX  ------------------------------------------    [Practice](http://www.aaaknow.com/g34a_ix1.htm)  [Reverse Lesson](http://www.aaaknow.com/g34b_ix1.htm)  --------------------------------------------  XXXXXXXXXXXXXXX  --------------------------------------------    [Practice](http://sakharov.net/puzzle/fairshare.html?SRC=sakharov)  --------------------------------------------  XXXXXXXXXXXXXXXX  -------------------------------------------  XXXXXXXXXXXXXXX |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_\_25, 26, 27\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| * 0306.1.14 Use age-appropriate books, stories, and videos to convey ideas of mathematics.   ------------------------------------------------------------------------------  SPI 0306.1.2 Solve problems involving elapsed time. **(TN 60)**  -------------------------------------------------------------------------------  SPI 0306.1.3 Determine the correct change from a transaction less than a dollar. **(TN 20)** | [Internet Linked Book Resources](http://www.usbornequicklinks.com/usa/usa_entity_pages/usa_all_links.asp?lvl=1&menu=s70&id=2573)  [Dictionary of Math](http://www.usbornequicklinks.com/usa/usa_entity_pages/usa_select_page.asp?lvl=1&id=1497)  [Brain Pop](http://www.brainpop.com/math/freemovies/)  [Brain Pop, Jr](http://www.brainpopjr.com/math/).  [Eric Carle Stories](http://www.teachnet-lab.org/miami/2003/delancy2/index.htm)  -------------------------------------------------  [Elapsed time on a clock](http://www.harcourtschool.com/activity/elab2004/gr4/15.html)  [Elapsed time worksheets](http://www.mathslice.com/actionctl.php?actionid=512)  [Elapsed Times Game](http://www.beaconlearningcenter.com/WebLessons/IsItPETime/default.htm)  [Beginning](http://www.teachingtime.co.uk/draggames/sthec1.html)  [Next](http://www.teachingtime.co.uk/draggames/sthec2.html)  [Later](http://www.teachingtime.co.uk/draggames/sthec3.html)  [Advanced](http://www.teachingtime.co.uk/draggames/sthec4.html)  [Telling Time](http://player.discoveryeducation.com/index.cfm?guidassetid=85d709d8-9a1b-4bad-a24e-42e8fa586412)  **BrainPOP Jr.** [Time to the Hour](http://www.brainpopjr.com/math/time/timetothehour/)  **BrainPOP** [Daylight Saving Time](http://www.brainpop.com/socialstudies/geography/daylightsavingtime/)  **BrainPOP** [Word Problems](http://www.brainpop.com/math/dataanalysis/wordproblems/)  ------------------------------------------------  DEA Resources:   * [Using Dollar Signs & Decimals](http://player.discoveryeducation.com/index.cfm?guidAssetId=2c79ed33-601d-40e1-b8e7-4e0db7678f90&blnPopup=1&productCode=DEA) * [Counting Coins](http://player.discoveryeducation.com/index.cfm?guidAssetId=e2951d1e-6a49-4441-810c-9ed755aae590&blnPopup=1&productCode=DEA) * [Lesson 5: Adding Dollars and Cents](http://player.discoveryeducation.com/index.cfm?guidassetid=a3655825-9315-4b1c-be94-70b07ef2a526) * Funbrain Change Maker * [Mr. Nussbaum Cash Out game](http://www.mrnussbaumgames.com/cashout/index.html) * [Cash Out](http://www.mrnussbaum.com/cashd.htm) * [Funbrain Change Maker](http://www.funbrain.com/cashreg/) * [Making Change](http://www.beaconlearningcenter.com/WebLessons/MakingChange/default.htm) |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_\_25, 26, 27\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| SPI 0306.1.4 Match the spoken, written, concrete, and pictorial representations of fractions with denominators up to ten. **(TN 48)**  **--------------------------------------------------------------**  SPI 0306.1.5 Represent problems mathematically using diagrams, numbers, and symbolic expressions. **(TN 22)** | [Fraction Match Game](http://www.harcourtschool.com/activity/con_math/g03c21.html)  [Flowering Fractions](http://www.beaconlearningcenter.com/WebLessons/FloweringFractions/default.htm)  [Who Wants Pizza?](http://math.rice.edu/~lanius/fractions/index.html)  [Power Point](http://www.pasadenaisd.org/teachertoolbox/PPts/fractions.ppt) Fractions  [Matching](http://www.mathsisfun.com/equivalent_fractions.html)  [Different Fraction Sites](http://www.aaamath.com/fra.html)  DEA Resources:   * [Fractions & a Picnic](http://player.discoveryeducation.com/index.cfm?guidAssetId=82d46648-a28e-47f3-8a0d-c6b4ed4e1535&blnPopup=1&productCode=DEA) * [Making Wholes from a Combination of Halv...](http://player.discoveryeducation.com/index.cfm?guidassetid=7b09a9ff-1f15-41a9-8afd-59a6205840ac)   **BrainPOP Jr.** [Basic Parts of a Whole](http://www.brainpopjr.com/math/fractions/basicpartsofawhole/)  **BrainPOP Jr.** [Comparing Numbers](http://www.brainpopjr.com/math/numbersense/comparingnumbers/)  **BrainPOP Jr.** [One Hundred](http://www.brainpopjr.com/math/numbersense/onehundred/)  **BrainPOP Jr.** [Place Value](http://www.brainpopjr.com/math/numbersense/placevalue/)  **BrainPOP** [Adding and Subtracting Fractions](http://www.brainpop.com/math/numbersandoperations/addingandsubtractingfractions/)  **BrainPOP** [Multiplying and Dividing Fractions](http://www.brainpop.com/math/numbersandoperations/multiplyinganddividingfractions/)  **BrainPOP** [Inequalities](http://www.brainpop.com/math/dataanalysis/inequalities/)  **BrainPOP** [Mixed Numbers](http://www.brainpop.com/math/numbersandoperations/mixednumbers/)  **BrainPOP** [Rational and Irrational Numbers](http://www.brainpop.com/math/numbersandoperations/rationalandirrationalnumbers/)  **BrainPOP** [Word Problems](http://www.brainpop.com/math/dataanalysis/wordproblems/)  **-------------------------------------------**  **BrainPOP Jr.** [One Hundred](http://www.brainpopjr.com/math/numbersense/onehundred/)  **BrainPOP Jr.** [Time to the Hour](http://www.brainpopjr.com/math/time/timetothehour/)  **BrainPOP Jr.** [Making Equal Groups](http://www.brainpopjr.com/math/multiplicationanddivision/makingequalgroups/)  **BrainPOP** [Inequalities](http://www.brainpop.com/math/dataanalysis/inequalities/)  **BrainPOP** [Problem Solving Using Tables](http://www.brainpop.com/math/dataanalysis/problemsolvingusingtables/)  **BrainPOP** [Word Problems](http://www.brainpop.com/math/dataanalysis/wordproblems/)  **BrainPOP** [Game Theory](http://www.brainpop.com/socialstudies/economics/gametheory/)  **BrainPOP** [Roman Numerals](http://www.brainpop.com/math/numbersandoperations/romannumerals/)  **DEA Resources:**   * [Mental Math](http://player.discoveryeducation.com/index.cfm?guidAssetId=4224142a-ed99-48cd-8789-f30b3339cc83&blnPopup=1&productCode=DEA) * [Estimating Computations](http://player.discoveryeducation.com/index.cfm?guidAssetId=c83a3762-d6f5-4d47-bfea-af08215b688a&blnPopup=1&productCode=DEA) * [Dialogue to Understand Problems](http://player.discoveryeducation.com/index.cfm?guidassetid=581ba9a9-9df2-4e64-a727-f40d7f906dd9) |

**Grade\_\_3\_\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_\_25, 26, 27 (cont.)\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| SPI 0306.1.7 Select appropriate units and tools to solve problems involving measures.  **(TN 55)** | **BrainPOP Jr.** [Centimeters, Meters, Kilometers](http://www.brainpopjr.com/math/measurement/centimetersmeterskilometers/)  **BrainPOP Jr.** [Grams and Kilograms](http://www.brainpopjr.com/math/measurement/gramsandkilograms/)  **BrainPOP Jr.** [Time to the Hour](http://www.brainpopjr.com/math/time/timetothehour/)  **BrainPOP Jr.** [Calendar and Dates](http://www.brainpopjr.com/math/calendar/calendaranddates/)  **BrainPOP Jr.** [Counting Coins](http://www.brainpopjr.com/math/money/countingcoins/)  **BrainPOP Jr.** [Cups, Pints, Quarts, Gallons](http://www.brainpopjr.com/math/measurement/cupspintsquartsgallons/)  **BrainPOP Jr.** [Inches and Feet](http://www.brainpopjr.com/math/measurement/inchesandfeet/)  **BrainPOP Jr.** [Ounces, Pounds, Tons](http://www.brainpopjr.com/math/measurement/ouncespoundsandtons/)  **BrainPOP Jr.** [Parts of a Clock](http://www.brainpopjr.com/math/time/partsofaclock/)  **BrainPOP Jr.** [Perimeter](http://www.brainpopjr.com/math/measurement/perimeter/)  **BrainPOP Jr.** [Time to the Quarter and Half Hour](http://www.brainpopjr.com/math/time/timetothequarterandhalfhour/preview.weml)  **BrainPOP** [Customary Units](http://www.brainpop.com/math/numbersandoperations/customaryunits/)  **BrainPOP** [Metric Units](http://www.brainpop.com/math/numbersandoperations/metricunits/)  **BrainPOP** [Angles](http://www.brainpop.com/math/geometryandmeasurement/angles/)  **BrainPOP** [Geometry](http://www.brainpop.com/math/geometryandmeasurement/geometry/)  **BrainPOP** [Word Problems](http://www.brainpop.com/math/dataanalysis/wordproblems/)  [Estimating Customary Length](http://www.harcourtschool.com/elab/act_3_24.html)  DEA Resources:   * [Volume & Cubic Units](http://player.discoveryeducation.com/index.cfm?guidAssetId=252b9e7a-5fef-47f4-ba3d-02d325be18fc&blnPopup=1&productCode=DEA) * [Finding an Area](http://player.discoveryeducation.com/index.cfm?guidAssetId=d2c7f2ef-2681-4b41-af51-5e75f2824998&blnPopup=1&productCode=DEA) * [Using a Ruler](http://player.discoveryeducation.com/index.cfm?guidAssetId=e01ddb22-1a0b-4435-97c2-6723f98a39f6&blnPopup=1&productCode=DEA) * [Tools for Measurement](http://player.discoveryeducation.com/index.cfm?guidassetid=1233eaa7-81c6-4a2b-be2f-f75fb3c2bfe1) |

**Grade\_\_\_\_3\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_25, 26, 27 (cont.)\_\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| SPI 0306.1.8 Express answers clearly in verbal, numerical, or graphical (bar and picture) form, using units when appropriate. **(TN 65)** | **BrainPOP Jr.** [Time to the Hour](http://www.brainpopjr.com/math/time/timetothehour/)  **BrainPOP Jr.** [Even and Odd](http://www.brainpopjr.com/math/numbersense/evenandodd/)  **BrainPOP Jr.** [Pictographs](http://www.brainpopjr.com/math/data/pictographs/)  **BrainPOP Jr.** [Tally Charts and Bar Graphs](http://www.brainpopjr.com/math/data/tallychartsandbargraphs/)  **BrainPOP** [Graphs](http://www.brainpop.com/math/dataanalysis/graphs/)  **BrainPOP** [Inequalities](http://www.brainpop.com/math/dataanalysis/inequalities/)  **BrainPOP** [Roman Numerals](http://www.brainpop.com/math/numbersandoperations/romannumerals/)  [Addition with Math Cubes](http://jc-schools.net/dynamic/math/lessons/Adding%20with%20Math%20Cubes.pdf)  DEA Resources:  [Example 2: Comparing Pictographs](http://player.discoveryeducation.com/index.cfm?guidassetid=350867fb-96f0-4ed0-8c61-44205350fe74) |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_\_28\_\_\_\_\_\_**

**Academic Vocabulary: ounce, mile, liquid measures, kilometer, gram, capacity**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| MEASUREMENT  SPI 0306.4.7 Solve problems requiring the addition and subtraction of lengths.  **(TN 54,57)** | **Topic 14-3 Pages 334,335,336,337**  **14-4 338,339**  **14-5 340,341**  **Topic 15-1 Pages 350,351**  **15-2 352,353,354**  **15-3 356,357**  **15-4 358,359**  DEA Resources:  [Example 2: Weight--Pounds and Ounces](http://player.discoveryeducation.com/index.cfm?guidassetid=c74cc5db-f618-4a29-856f-9796a52cd89e) |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_28 (cont.)\_\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| GLE 0306.4.5 Solve measurement problems involving fractional parts of linear units and capacity units.  -----------------------------------------------------------------------------------   * 0306.4.10 Use reasonable units of length (i.e. kilometer, meter, centimeter; mile, yard, foot, inch) in estimates and measures.   ----------------------------------------------------------------------------------  SPI 0306.4.5 Choose reasonable units of measure, estimate common measurements using benchmarks, and use appropriate tools to make measurements.  ---------------------------------------------------------------------------------  SPI 0306.4.6 Measure length to the nearest centimeter or half inch. **(TN 56)** | **BrainPOP Jr.** [Centimeters, Meters, Kilometers](http://www.brainpopjr.com/math/measurement/centimetersmeterskilometers/)  **BrainPOP Jr.** [Time to the Hour](http://www.brainpopjr.com/math/time/timetothehour/)  **BrainPOP Jr.** [Cups, Pints, Quarts, Gallons](http://www.brainpopjr.com/math/measurement/cupspintsquartsgallons/)  **BrainPOP Jr.** [Inches and Feet](http://www.brainpopjr.com/math/measurement/inchesandfeet/)  **BrainPOP Jr.** [Perimeter](http://www.brainpopjr.com/math/measurement/perimeter/)  **BrainPOP Jr.** [Time to the Quarter and Half Hour](http://www.brainpopjr.com/math/time/timetothequarterandhalfhour/preview.weml)  **BrainPOP Jr.** [Basic Parts of a Whole](http://www.brainpopjr.com/math/fractions/basicpartsofawhole/)  **BrainPOP** [Customary Units](http://www.brainpop.com/math/numbersandoperations/customaryunits/)  **BrainPOP** [Metric Units](http://www.brainpop.com/math/numbersandoperations/metricunits/)  **BrainPOP** [Metric vs. Customary](http://www.brainpop.com/math/geometryandmeasurement/metricvscustomary/)  **BrainPOP** [Adding and Subtracting Fractions](http://www.brainpop.com/math/numbersandoperations/addingandsubtractingfractions/)  [Practice](http://www.fossweb.com/modules3-6/Measurement/index.html)  --------------------------------------------------------  [Online centimeter ruler](http://www.hbschool.com/activity/length_strength1_centi/)  --------------------------------------------------------  DEA Resources:   * [Estimation Strategies](http://player.discoveryeducation.com/index.cfm?guidAssetId=511a0bed-9049-4637-932e-744e59b13727&blnPopup=1&productCode=DEA) * [Example 2: Estimating Weight](http://player.discoveryeducation.com/index.cfm?guidassetid=3ff07adb-3381-4b00-8c1a-850b8b9e7dd4)   [Which tool to use Game](http://www.harcourtschool.com/activity/choose_the_unit/)  [Customary Lengths](http://www.oswego.org/ocsd-web/match/matchgeneric.asp?filename=length)  --------------------------------------------------------  DEA Resources:   * [Example 1: Measuring Length--Inches and ...](http://player.discoveryeducation.com/index.cfm?guidAssetId=4086b0b3-0753-4d89-bb13-f4f6a147c31d&blnPopup=1&productCode=DEA) * [Using a Ruler](http://player.discoveryeducation.com/index.cfm?guidAssetId=e01ddb22-1a0b-4435-97c2-6723f98a39f6&blnPopup=1&productCode=DEA) * [http://www.funbrain.com/measure/index.ht...](http://www.funbrain.com/measure/index.html) * [Measuring Length](http://player.discoveryeducation.com/index.cfm?guidassetid=f04df046-5659-491d-9bbb-d7ca170839aa)   [Practice Sheet](http://www.atozteacherstuff.com/pdf.htm?math/measurement_lines_cm_5.pdf) |

**Grade\_\_3\_\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_\_29\_\_\_\_\_\_**

**Academic Vocabulary: unit fraction, denominator (like, unlike), numerator**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| FRACTIONS | **Topic 12-5 Pages 284,285,286**  **12-6 288,289**  **12-7 290,291,292,293**  **12-8 294,295**  **12-9 296,297** |

**Grade\_\_3\_\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_29 (cont.)\_\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| GLE 0306.2.5 Understand the meaning and uses of fractions.  --------------------------------------------------------------------------------  GLE 0306.2.6 Use various strategies and models to compare and order fractions and identify equivalent fractions.  -----------------------------------------------------------------  GLE 0306.2.7 Add and subtract fractions with like denominators using various models. | **BrainPOP Jr.** [Basic Parts of a Whole](http://www.brainpopjr.com/math/fractions/basicpartsofawhole/)  **BrainPOP Jr.** [Time to the Hour](http://www.brainpopjr.com/math/time/timetothehour/)  **BrainPOP Jr.** [Time to the Quarter and Half Hour](http://www.brainpopjr.com/math/time/timetothequarterandhalfhour/preview.weml)  **BrainPOP** [Adding and Subtracting Fractions](http://www.brainpop.com/math/numbersandoperations/addingandsubtractingfractions/)  **BrainPOP** [Multiplying and Dividing Fractions](http://www.brainpop.com/math/numbersandoperations/multiplyinganddividingfractions/)  **BrainPOP** [Rational and Irrational Numbers](http://www.brainpop.com/math/numbersandoperations/rationalandirrationalnumbers/)  --------------------------------------------------  **BrainPOP Jr.** [Basic Parts of a Whole](http://www.brainpopjr.com/math/fractions/basicpartsofawhole/)  **BrainPOP** [Mixed Numbers](http://www.brainpop.com/math/numbersandoperations/mixednumbers/)  **BrainPOP** [Multiplying and Dividing Fractions](http://www.brainpop.com/math/numbersandoperations/multiplyinganddividingfractions/)  **BrainPOP** [Adding and Subtracting Fractions](http://www.brainpop.com/math/numbersandoperations/addingandsubtractingfractions/)  **BrainPOP** [Rational and Irrational Numbers](http://www.brainpop.com/math/numbersandoperations/rationalandirrationalnumbers/)  **BrainPOP** [Reducing Fractions](http://www.brainpop.com/math/numbersandoperations/reducingfractions/)  **BrainPOP** [Game Theory](http://www.brainpop.com/socialstudies/economics/gametheory/)  [Using number lines to identify fractions](http://www.visualfractions.com/EnterFraction.html)  [Concentration](http://illuminations.nctm.org/ActivityDetail.aspx?ID=73)  [Using number lines to identify fractions](http://www.visualfractions.com/EnterFraction.html)  ---------------------------------------------------  **BrainPOP** [Adding and Subtracting Fractions](http://www.brainpop.com/math/numbersandoperations/addingandsubtractingfractions/)  **BrainPOP** [Mixed Numbers](http://www.brainpop.com/math/numbersandoperations/mixednumbers/)  [Adding fractions with like denominators](http://www.aaamath.com/B/g4_57ax1.htm)  [Subtracting fractions with like denominators](http://www.aaamath.com/B/g4_57bx1.htm)  [Addition with Math Cubes](http://jc-schools.net/dynamic/math/lessons/Adding%20with%20Math%20Cubes.pdf) |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_29 (cont.)\_\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| * 0306.2.10 Understand that symbols such as ½, 1/3, and ¼ represent numbers called unit fractions. **(TN 36, 37)**   ----------------------------------------------------------------------   * 0306.2.11 Identify fractions as parts of whole units, as parts of sets, as locations on number lines, and as division of two whole numbers.   ----------------------------------------------------------------------   * 0306.2.12 Compare fractions using drawings, concrete objects, and benchmark fractions.   ---------------------------------------------------------------------   * 0306.2.13 Understand that when a whole is divided into equal parts to create unit fractions, the sum of all the parts adds up to one. **(TN 36, 37)**   --------------------------------------------------------------------  SPI 0306.2.10 Identify equivalent fractions given by various representations. **(TN 50)** | [Fractional Clothesline](http://illuminations.nctm.org/LessonDetail.aspx?ID=L784)  -----------------------------------------------------  XXXXXXXXXXXXXXXXXXX  -----------------------------------------------------  [Like Fractions](http://www.aaastudy.com/cmp43ax2.htm)  [Comparing fractions worksheets](http://www.bbc.co.uk/skillswise/numbers/fractiondecimalpercentage/fractions/comparingfractions/factsheet.shtml)  -----------------------------------------------------  [Making fractions](http://www.harcourtschool.com/activity/bowling_for_fractions/)  ----------------------------------------------------  **BrainPOP Jr.** [Basic Parts of a Whole](http://www.brainpopjr.com/math/fractions/basicpartsofawhole/)  **BrainPOP** [Mixed Numbers](http://www.brainpop.com/math/numbersandoperations/mixednumbers/)  **BrainPOP** [Multiplying and Dividing Fractions](http://www.brainpop.com/math/numbersandoperations/multiplyinganddividingfractions/)  **BrainPOP** [Adding and Subtracting Fractions](http://www.brainpop.com/math/numbersandoperations/addingandsubtractingfractions/)  [TV411 Math Fractions](http://www.tv411.org/lessons/cfm/math.cfm?str=math&num=2&act=1)  [AAA Beginning Fractions](http://www.321know.com/fra16_x2.htm)  [Bowling for Fractions](http://www.harcourtschool.com/activity/bowling_for_fractions/)  [Fraction Frenzy](http://www.learningplanet.com/sam/ff/index.asp)  DEA Resources:  [Common Factors](http://player.discoveryeducation.com/index.cfm?guidassetid=6a671a6c-5efc-45ba-a90f-f260509285a1) |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_\_29 (CONT.)\_\_\_\_\_\_**

**Academic Vocabulary:**

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| --- | --- |
| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| SPI 0306.2.11 Recognize and use different interpretations of fractions. **(TN 49)**  ---------------------------------------------------------------------------------  SPI 0306.2.12 Name fractions in various contexts that are less than, equal to, or greater than one. **(TN 38, 39, 51)**  -----------------------------------------------------------------------------------  SPI 0306.2.14 Add and subtract fractions with like denominators. **(TN 53)** | **BrainPOP Jr.** [Basic Parts of a Whole](http://www.brainpopjr.com/math/fractions/basicpartsofawhole/)  **BrainPOP** [Adding and Subtracting Fractions](http://www.brainpop.com/math/numbersandoperations/addingandsubtractingfractions/)  **BrainPOP** [Mixed Numbers](http://www.brainpop.com/math/numbersandoperations/mixednumbers/)  **BrainPOP** [Multiplying and Dividing Fractions](http://www.brainpop.com/math/numbersandoperations/multiplyinganddividingfractions/)  **BrainPOP** [Rational and Irrational Numbers](http://www.brainpop.com/math/numbersandoperations/rationalandirrationalnumbers/)  PowerPoint Flash Math Fractions  DEA Resources:  [Example 1: Adding Fractions with a Commo...](http://player.discoveryeducation.com/index.cfm?guidassetid=dc1dc627-b216-4b58-b8f7-1053a36d8126)  -------------------------------------------------------------  **BrainPOP Jr.** [Basic Parts of a Whole](http://www.brainpopjr.com/math/fractions/basicpartsofawhole/)  **BrainPOP** [Inequalities](http://www.brainpop.com/math/dataanalysis/inequalities/)  **BrainPOP** [Rational and Irrational Numbers](http://www.brainpop.com/math/numbersandoperations/rationalandirrationalnumbers/)  [Like Fractions](http://www.aaastudy.com/cmp43ax2.htm)  [PowerPoint Flash Math Fractions](http://www.lexington1.net/technology/instruct/ppts/mathppts/number%20operations/Fractions%20I.ppt#257,6,¾ looks like)  [Game](http://www.jamit.com.au/htmlFolder/app1005.html)  DEA Resources:  [Example 1: Whole Numbers, Fractions, and...](http://player.discoveryeducation.com/index.cfm?guidassetid=0a255019-c460-418a-9a9b-16693b962a2f)  -----------------------------------------------------------------------  **BrainPOP Jr.** [Comparing Numbers](http://www.brainpopjr.com/math/numbersense/comparingnumbers/)  **BrainPOP Jr.** [Even and Odd](http://www.brainpopjr.com/math/numbersense/evenandodd/)  **BrainPOP Jr.** [One Hundred](http://www.brainpopjr.com/math/numbersense/onehundred/)  **BrainPOP** [Adding and Subtracting Fractions](http://www.brainpop.com/math/numbersandoperations/addingandsubtractingfractions/)  [Addition Power Point](http://www.lexington1.net/technology/?page=instruct/powerpoint.htm#math)  [Subtract Power Point](http://www.lexington1.net/technology/?page=instruct/powerpoint.htm#math)  [Addition Practice](http://www.funbrain.com/cgi-bin/fract.cgi?A1=s&A2=0&A15=1)   Subtraction Practice  DEA Resources:   * [Creating Hexagons](http://player.discoveryeducation.com/index.cfm?guidAssetId=c8426135-6e15-4e7a-bb12-69c9e5beb397&blnPopup=1&productCode=DEA) * [Example 3: Algebraic Representation--Gey...](http://player.discoveryeducation.com/index.cfm?guidassetid=3a3085e7-5af9-4f20-bd03-a731744df227) |

**Grade\_\_3\_\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_30\_\_\_\_\_\_\_**

**Academic Vocabulary: distributive, inverse relationships**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| ALGEBRA | **Topic 2-1 Pages 32,33**  **Topic 3-1 Pages 66,67**  **Topic 5-2 Pages 110,111,112**  **5-4 116,117**  **Topic 6-6 Pages 152,153**  **Topic 8-1 Pages 184,185**  **8-2 186, 187,188**  **Topic 18-4 Pages 418,419** |

**Grade\_\_\_\_3\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_30 (cont.)\_\_\_\_\_\_\_**

**Academic Vocabulary:**

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| --- | --- |
| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| GLE 0306.3.1 Develop meaning for and apply the commutative, associative, and distributive properties using various representations.  -------------------------------------------------------   * 0306.3.3 Use commutative, associative, and distributive properties to multiply whole numbers.   ---------------------------------------------   * 0306.3.4 Solve problems using the commutative, associative, and distributive properties.   --------------------------------------------   * 0306.3.5 Find unknowns in number sentences and problems involving addition, subtraction, multiplication, or division.   ---------------------------------------------  SPI 0306.3.1 Verify a conclusion using algebraic properties. **(TN 6, 7, 23)** | **BrainPOP** [Associative Property](http://www.brainpop.com/math/numbersandoperations/associativeproperty/)  **BrainPOP** [Commutative Property](http://www.brainpop.com/math/numbersandoperations/commutativeproperty/)  **BrainPOP** [Distributive Property](http://www.brainpop.com/math/numbersandoperations/distributiveproperty/)  **BrainPOP** [Equations with Variables](http://www.brainpop.com/math/algebra/equationswithvariables/)  ------------------------------------------------  [Addition with Math Cubes](http://jc-schools.net/dynamic/math/lessons/Adding%20with%20Math%20Cubes.pdf)  -------------------------------------------------  XXXXXXXXXXXXXXXX  --------------------------------------------------  XXXXXXXXXXXXXXXX  --------------------------------------------------  **BrainPOP** [Equations with Variables](http://www.brainpop.com/math/algebra/equationswithvariables/)  **DEA Resources:**   * [Properties and Relationships of Arithmet...](http://player.discoveryeducation.com/index.cfm?guidAssetId=48297c2d-9710-473b-8bac-ebf244516f26&blnPopup=1&productCode=DEA) * [Example 3: Adding Decimals Using Mental ...](http://player.discoveryeducation.com/index.cfm?guidassetid=4845f803-6795-4f47-b0ec-f3945b300667) |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_\_31\_\_\_\_\_\_**

**Academic Vocabulary: product, quotient, factor, divisor, division, dividend**

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| --- | --- |
| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| MULTIPLICATION/DIVISION | **Topic 5-7 Pages 126,127**  **Topic 18-2 Pages 414,415**  **Topic 19-2 Pages 438,439** |

**Grade\_\_3\_\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_31 (cont.)\_\_\_\_\_\_\_**

**Academic Vocabulary:**

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| --- | --- |
| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| GLE 0306.2.2 Develop understanding of multiplication and related division facts through multiple strategies and representations.  --------------------------------------------------------------------------------  GLE 0306.2.4 Solve multiplication and division problems using various representations.  ------------------------------------------------------------------------------------   * 0306.2.9 Describe contexts for multiplication and division facts. | **BrainPOP Jr.** [Making Equal Groups](http://www.brainpopjr.com/math/multiplicationanddivision/makingequalgroups/)  **BrainPOP Jr.** [Arrays](http://www.brainpopjr.com/math/multiplicationanddivision/arrays/)  **BrainPOP** [Multiplication](http://www.brainpop.com/math/numbersandoperations/multiplication/)  **BrainPOP** [Factoring](http://www.brainpop.com/math/numbersandoperations/factoring/)  **BrainPOP** [Division](http://www.brainpop.com/math/numbersandoperations/division/)  [Lesson/Practice](http://www.aaaknow.com/g34d_ix1.htm)  [Practice](http://www.aaaknow.com/g34c_ix1.htm)  ------------------------------------------------------  **BrainPOP Jr.** [Making Equal Groups](http://www.brainpopjr.com/math/multiplicationanddivision/makingequalgroups/)  **BrainPOP Jr.** [Even and Odd](http://www.brainpopjr.com/math/numbersense/evenandodd/)  **BrainPOP** [Using a Calculator](http://www.brainpop.com/math/dataanalysis/usingacalculator/)  **BrainPOP** [Division](http://www.brainpop.com/math/numbersandoperations/division/)  **BrainPOP** [Word Problems](http://www.brainpop.com/math/dataanalysis/wordproblems/)  **BrainPOP** [Multiplication](http://www.brainpop.com/math/numbersandoperations/multiplication/)  **BrainPOP** [Factoring](http://www.brainpop.com/math/numbersandoperations/factoring/)  **BrainPOP** [Game Theory](http://www.brainpop.com/socialstudies/economics/gametheory/)  [Problems](http://www.aaaknow.com/g310_mx4.htm)  [Name That Fraction](http://nlvm.usu.edu/en/nav/frames_asid_104_g_2_t_1.html)  [Power Point](http://www.pasadenaisd.org/teachertoolbox/PPts/Fractions-LCR.ppt) on Fractions  -------------------------------------------------------  [BBC Skillswise Times Tables](http://www.bbc.co.uk/skillswise/numbers/wholenumbers/multiplication/timestables/)  [Toon University 0-5 as Factors Game](http://www.toonuniversity.com/aol/3m_mult5.swf)  [Bonk the Moles Game](http://www.multiplication.com/flash/moles.swf) |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_\_31 (cont.)\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| SPI 0306.2.5 Identify various representations of multiplication and division. **(TN 24)**  **----------------------------------------------------------**  SPI 0306.2.6 Recall basic multiplication facts through 10 times10 and the related division facts. **(TN 27)** | **BrainPOP Jr.** [Arrays](http://www.brainpopjr.com/math/multiplicationanddivision/arrays/)  **BrainPOP Jr.** [Making Equal Groups](http://www.brainpopjr.com/math/multiplicationanddivision/makingequalgroups/)  **BrainPOP Jr.** [Even and Odd](http://www.brainpopjr.com/math/numbersense/evenandodd/)  **BrainPOP Jr.** [Making Ten](http://www.brainpopjr.com/math/additionandsubtraction/makingten/)  **BrainPOP** [Division](http://www.brainpop.com/math/numbersandoperations/division/)  **BrainPOP** [Multiplication](http://www.brainpop.com/math/numbersandoperations/multiplication/)  **DEA Resources:**   * [Multiplication](http://player.discoveryeducation.com/index.cfm?guidAssetId=3d63ea6c-634c-493f-9f26-647d0b2f4209&blnPopup=1&productCode=DEA) * [http://www.naturalmath.com/mult/mult2.ht...](http://www.naturalmath.com/mult/mult2.html) * [Adding and Multiplying](http://player.discoveryeducation.com/index.cfm?guidassetid=e090235f-2c40-48fe-ae75-c9a87b26d0ba)   -------------------------------------------------  **BrainPOP Jr.** [Arrays](http://www.brainpopjr.com/math/multiplicationanddivision/arrays/)  **BrainPOP Jr.** [Making Equal Groups](http://www.brainpopjr.com/math/multiplicationanddivision/makingequalgroups/)  **BrainPOP** [Multiplication](http://www.brainpop.com/math/numbersandoperations/multiplication/)  **BrainPOP** [Factoring](http://www.brainpop.com/math/numbersandoperations/factoring/)  **BrainPOP** [Division](http://www.brainpop.com/math/numbersandoperations/division/)  **PowerPoint** [**Multiplying By 3**](http://jc-schools.net/dynamic/math/ppt/multiplication%20review%203s.ppt)[**Multiplication.com**](http://www.multiplication.com/resources.htm)  [**Farm Stand**](http://www.prongo.com/farm/index.html)  [**Flashcards**](http://www.multiplication.com/flashcards.htm)  [**Basic Facts Practice**](http://www.mathplayground.com/multiplication01.html)  [**Facts Practice Worksheets**](http://math.about.com/cs/multiplication/a/multws.htm)  [**Facts Practice**](http://www.mathsisfun.com/timestable.html)  [**Free Multiplication Worksheets**](http://www.math-drills.com/multiplication.shtml)  [**Facts Drill**](http://www.primarygames.com/flashcards/multiplication/start.htm)  [Multiplication Tic Tac Toe](http://www.primarygames.com/math/multiplication/start.htm)  [Flo Explains a Multiplication Problem](http://player.discoveryeducation.com/index.cfm?guidassetid=2caad7dd-bffc-4610-9d2f-4e2bcff5ebcb) |

**Grade\_\_3\_\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_\_32\_\_\_\_\_\_**

**Academic Vocabulary: change (money), conclusion, inverse relationships, decimal**

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| --- | --- |
| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| ADDITION/SUBTRACTION  CHANGE TO $1.00 | **Topic 1-8 Pages 22,223**  **Topic 2-9 Pages 56,57**  **Topic 4-4 Pages 92,93,94**  **Topic 13-5 Pages 320,321**  **Topic 19-1 Pages 436,437** |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_\_32 (cont.)\_\_\_\_\_\_**

**Academic Vocabulary:**

|  |  |
| --- | --- |
| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| GLE 0306.1.2 Apply and adapt a variety of appropriate strategies to problem solving, including estimation, and reasonableness of the solution.  -----------------------------------------------------------------   * 0306.1.2 Compare and order decimal amounts in the context of money.   -----------------------------------------------------   * 0306.1.3 Count the value of combinations of coins and bills up to five dollars.   ----------------------------------------------------------------  SPI 0306.1.3 Determine the correct change from a transaction less than a dollar. **(TN 20)** | [Estimation Practice](http://www.atschool.co.uk/keystage2/default.asp)  **BrainPOP Jr.** [Basic Addition](http://www.brainpopjr.com/math/additionandsubtraction/basicadding/)  **BrainPOP Jr.** [Basic Subtraction](http://www.brainpopjr.com/math/additionandsubtraction/)  **BrainPOP** [Word Problems](http://www.brainpop.com/math/dataanalysis/wordproblems/)  **BrainPOP** [Estimating](http://www.brainpop.com/math/geometryandmeasurement/estimating/)  **BrainPOP** [Problem Solving Using Tables](http://www.brainpop.com/math/dataanalysis/problemsolvingusingtables/)  **BrainPOP** [Rounding](http://www.brainpop.com/math/numbersandoperations/rounding/)  **BrainPOP** [Using a Calculator](http://www.brainpop.com/math/dataanalysis/usingacalculator/)  ----------------------------------------------  [Put Money Amounts in Order](http://www.ixl.com/math/practice/grade-3-put-money-amounts-in-order)  [Movie](http://www.brainpopjr.com/math/money/)  [Practice](http://www.coe.uh.edu/archive/math/math_lessons/mathles3/tutor.htm)  [Ordering by Decimal](http://www.beaconlearningcenter.com/WebLessons/ShowMeTheMoney/default.htm)  ----------------------------------------------  [Eduplace Identify Coin Sums](http://www.eduplace.com/cgi-bin/template/kids/hmm/practice/templates/rules.thtml?ID=hmm07_ep/gr2/1406&GRADE=2&UNIT=6&CHAPTER=14&LESSON=6&UNIT_TITLE=Money%20and%25)  [Eduplace Identify Coin Sums Quiz 4](http://www.eduplace.com/cgi-bin/template/kids/hmm/practice/templates/rules.thtml?ID=hmm07_ep/gr2/1404&GRADE=2&UNIT=6&CHAPTER=14&LESSON=4&UNIT_TITLE=Money%20and%25)  [Eduplace Identify Coin Sums Quiz 3](http://www.eduplace.com/cgi-bin/template/kids/hmm/practice/templates/rules.thtml?ID=hmm07_ep/gr2/1403&GRADE=2&UNIT=6&CHAPTER=14&LESSON=3&UNIT_TITLE=Money%20and%25)  [Eduplace Identify Coin Sums Quiz 2](http://www.eduplace.com/cgi-bin/template/kids/hmm/practice/templates/rules.thtml?ID=hmm07_ep/gr2/1402&GRADE=2&UNIT=6&CHAPTER=14&LESSON=2&UNIT_TITLE=Money%20and%25)  [Counting Money Flashcards](http://www.aplusmath.com/cgi-bin/flashcards/money)  ----------------------------------------------  DEA Resources:   * [Using Dollar Signs & Decimals](http://player.discoveryeducation.com/index.cfm?guidAssetId=2c79ed33-601d-40e1-b8e7-4e0db7678f90&blnPopup=1&productCode=DEA) * [Counting Coins](http://player.discoveryeducation.com/index.cfm?guidAssetId=e2951d1e-6a49-4441-810c-9ed755aae590&blnPopup=1&productCode=DEA) * [Lesson 5: Adding Dollars and Cents](http://player.discoveryeducation.com/index.cfm?guidassetid=a3655825-9315-4b1c-be94-70b07ef2a526) * Funbrain Change Maker * [Mr. Nussbaum Cash Out game](http://www.mrnussbaumgames.com/cashout/index.html) * [Cash Out](http://www.mrnussbaum.com/cashd.htm) * [Funbrain Change Maker](http://www.funbrain.com/cashreg/) * [Making Change](http://www.beaconlearningcenter.com/WebLessons/MakingChange/default.htm) |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_32 (cont.)\_\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| SPI 0306.2.9 Solve contextual problems involving the addition (with and without regrouping) and subtraction (with and without regrouping) of two- and three digit whole numbers. **(TN 21)**  --------------------------------------------------------------------------------   * 0306.2.4 Use a variety of methods to perform mental computations and compare the efficiency of those methods.   ----------------------------------------------------------------   * 0306.2.6 Solve a variety of addition and subtraction story problems including those with irrelevant information. | **BrainPOP Jr.** [Adding with Regrouping](http://www.brainpopjr.com/math/additionandsubtraction/addingwithregrouping/)  **BrainPOP Jr.** [Basic Subtraction](http://www.brainpopjr.com/math/additionandsubtraction/)  **BrainPOP Jr.** [Basic Addition](http://www.brainpopjr.com/math/additionandsubtraction/basicadding/)  **BrainPOP Jr.** [Making Ten](http://www.brainpopjr.com/math/additionandsubtraction/makingten/)  PowerPoint [Subtraction Across a Zero](http://jc-schools.net/dynamic/math/ppt/Subtraction%20Across%20a%20Zero.ppt)  PowerPoint [Subtraction with regroup](http://jc-schools.net/dynamic/math/ppt/Subtraction%20With%20Regrouping.ppt)  PowerPoint [**Three Digit Subtraction**](http://jc-schools.net/dynamic/math/ppt/3digitsubtraction.ppt)  DEA Resources:   * [Estimating Computations](http://player.discoveryeducation.com/index.cfm?guidAssetId=c83a3762-d6f5-4d47-bfea-af08215b688a&blnPopup=1&productCode=DEA) * [http://www.janbrett.com/piggybacks/round...](http://www.janbrett.com/piggybacks/rounding.htm#quiz) * [Viewers' Challenge](http://player.discoveryeducation.com/index.cfm?guidassetid=3b372fa6-6769-4df6-98c4-8066f7417f58)   -------------------------------------------------------------------  XXXXXXXXXXXXXXXXXX  ------------------------------------------------------------------  [Is That a Fact?](http://www.beaconlearningcenter.com/WebLessons/IsThatAFact/default.htm)  [Activity](http://www.aaaknow.com/g36a_cx1.htm) |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_\_\_33, 34\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| **TCAP REVIEW** |  |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_\_35\_\_\_\_\_\_**

**Academic Vocabulary: frequency table, tally chart, line plot, pictograph, conjecture**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| GRAPH REVIEW | **Topic 20-2 Pages 460,461,462**  **20-3 464,465**  **20-4 466,467**  **20-8 478, 479,480,481**  **20-9 482,483** |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_\_35 (cont.)\_\_\_\_\_\_**

**Academic Vocabulary:**

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| --- | --- |
| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| GLE 0306.5.1 Organize, display, and analyze data using various representations to solve problems.  ------------------------------------------------------------------------   * 0306.5.2 Construct a frequency table, bar graph, pictograph, or line plot of collected data.   -----------------------------------------------------------   * 0306.5.3 Compare and interpret different representations of the same data.   **(TN 46, 47)**  -------------------------------------------------------------------------  SPI 0306.5.1 Interpret a frequency table, bar graph, pictograph, or line plot. **(TN 62)**  ------------------------------------------------------------------------  SPI 0306.5.2 Solve problems in which data is represented in tables or graph. **(TN 63)**  ------------------------------------------------------------------------  SPI 0306.5.3 Make predictions based on various representations of data.**(TN 64, 44, 45)** | **BrainPOP Jr.** [Tally Charts and Bar Graphs](http://www.brainpopjr.com/math/data/tallychartsandbargraphs/)  **BrainPOP Jr.** [Basic Probability](http://www.brainpopjr.com/math/data/basicprobability/)  **BrainPOP** [Graphs](http://www.brainpop.com/math/dataanalysis/graphs/)  ---------------------------------------------------  [Build  Bar Graph](http://www.beaconlearningcenter.com/WebLessons/HowItAllStacksUp/default.htm)  [Let’s Graph](http://math.rice.edu/~lanius/Lessons/graph.html)  [Reading a Bar Graph](http://www.eduplace.com/kids/hmm/practice/templates/rules.jsp?ID=hmm07_ep/gr3/0205&GRADE=3&UNIT=1&CHAPTER=2&LESSON)  [Easy Bar Graph Quiz](http://www.eduplace.com/cgi-bin/template/kids/hmm/practice/templates/rules.thtml?ID=hmm07_ep/gr2/0408&GRADE=2&UNIT=1&CHAPTER=4&LESSON=8&UNIT_TITLE=Number%20Conc)  [Interpreting Bar Graphs](http://www.eduplace.com/cgi-bin/template/kids/hmm/practice/templates/rules.thtml?ID=hmm07_ep/gr4/1501&GRADE=4&UNIT=5&CHAPTER=15&LESSON=1&UNIT_TITLE=Measurement%25)  ---------------------------------------------------  [Comparing Data](http://www.bbc.co.uk/schools/ks2bitesize/maths/handling_data.shtml)  ---------------------------------------------------  DEA Resources:   * [What Is a Graph?](http://player.discoveryeducation.com/index.cfm?guidAssetId=e88043df-811e-4202-bacd-5414fdfdd7fa&blnPopup=1&productCode=DEA) * [Example 1--Qualitative Data](http://player.discoveryeducation.com/index.cfm?guidassetid=515e407e-eb21-4593-afc7-9ed9d508422e)   ---------------------------------------------------  DEA Resources:   * [Example 1--Center and Spread](http://player.discoveryeducation.com/index.cfm?guidAssetId=1196b448-8579-4b57-9f10-d9855be5bdb7&blnPopup=1&productCode=DEA) * [Lesson 7: Finding Range, Median, and Mod...](http://player.discoveryeducation.com/index.cfm?guidassetid=fbb9d416-24f2-4981-8781-2d4b7a8d201f)   Let’s Graph  [Reading a Bar Graph](http://www.eduplace.com/kids/hmm/practice/templates/rules.jsp?ID=hmm07_ep/gr3/0205&GRADE=3&UNIT=1&CHAPTER=2&LESSON)  [Easy Bar Graph Quiz](http://www.eduplace.com/cgi-bin/template/kids/hmm/practice/templates/rules.thtml?ID=hmm07_ep/gr2/0408&GRADE=2&UNIT=1&CHAPTER=4&LESSON=8&UNIT_TITLE=Number%20Conc)  [Interpreting Bar Graphs](http://www.eduplace.com/cgi-bin/template/kids/hmm/practice/templates/rules.thtml?ID=hmm07_ep/gr4/1501&GRADE=4&UNIT=5&CHAPTER=15&LESSON=1&UNIT_TITLE=Measurement%25)  ---------------------------------------------------------  DEA Resources:   * [Lesson 8: Solving Problems with Tables a...](http://player.discoveryeducation.com/index.cfm?guidAssetId=9de09172-ea5c-4b35-bc99-7ad7f0ede915&blnPopup=1&productCode=DEA) * [Example 2: Organizing Data](http://player.discoveryeducation.com/index.cfm?guidassetid=bb0f2df3-1828-47ff-8f3b-7d66d64f8540) |

**Grade\_\_3\_\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_\_36, 37\_\_\_\_\_\_**

**Academic Vocabulary: reasonableness, conclusion, decimal, change (money)**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| REVIEW | **Topic 1-9 Pages 24-25**  **Topic 2-10 Pages 58,59**  **Topic 3-2 Pages 68,69,70**  **3-5 78,79**  **Topic 5-10 Pages 132,133**  **5-5 118,119,120**  **Topic 7-5 Pages 174,175,176**  **Topic 9-8 Pages 224,225,226**  **Topic 12-10 Pages 298,299**  **Topic 13-2 Pages 308,309,310,311**  **Topic 6-5 Pages 150,151**  **Topic 15-5 Pages 360,361**  **Topic 9-6 Pages 218,219,220,221**  **Topic 16-8 Pages 384,385**  **Topic 16-4 Pages 374,375** |

**Grade\_\_3\_\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_\_36, 37 (CONT.)\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| GLE 0306.1.1 Use mathematical language, symbols, and definitions while developing mathematical reasoning.  ---------------------------------------------------------------------  GLE 0306.1.2 Apply and adapt a variety of appropriate strategies to problem solving, including estimation, and reasonableness of the solution.  -------------------------------------------------------------------  GLE 0306.1.3 Develop independent reasoning to communicate mathematical ideas and derive algorithms and/or formulas.  -----------------------------------------------------  GLE 0306.1.4 Move flexibly between concrete and abstract representations of mathematical ideas in order to solve problems, model mathematical ideas, and communicate solution strategies.  ------------------------------------------------------------------ | [Games that include all number processes](http://www.bbc.co.uk/schools/ks2bitesize/maths/number/)  [Cool Math for Kids- All areas in math](http://www.coolmath4kids.com/)  **BrainPOP** [Word Problems](http://www.brainpop.com/math/dataanalysis/wordproblems/)  ------------------------------------------------  [Estimation Practice](http://www.atschool.co.uk/keystage2/default.asp)  **BrainPOP Jr.** [Basic Addition](http://www.brainpopjr.com/math/additionandsubtraction/basicadding/)  **BrainPOP Jr.** [Basic Subtraction](http://www.brainpopjr.com/math/additionandsubtraction/)  **BrainPOP** [Word Problems](http://www.brainpop.com/math/dataanalysis/wordproblems/)  **BrainPOP** [Estimating](http://www.brainpop.com/math/geometryandmeasurement/estimating/)  **BrainPOP** [Problem Solving Using Tables](http://www.brainpop.com/math/dataanalysis/problemsolvingusingtables/)  **BrainPOP** [Rounding](http://www.brainpop.com/math/numbersandoperations/rounding/)  **BrainPOP** [Using a Calculator](http://www.brainpop.com/math/dataanalysis/usingacalculator/)  -------------------------------------------------  XXXXXXXXXXXXXXXXXX  --------------------------------------------------  [Power Point](http://www.pasadenaisd.org/teachertoolbox/PPts/Problem%20Solving.ppt#287,13,TAKS BASED PROBLEM SOLVING MODEL) Problem Solving Strategies  **BrainPOP Jr.** [Basic Addition](http://www.brainpopjr.com/math/additionandsubtraction/basicadding/)  **BrainPOP Jr.** [Basic Subtraction](http://www.brainpopjr.com/math/additionandsubtraction/)  **BrainPOP Jr.** [One Hundred](http://www.brainpopjr.com/math/numbersense/onehundred/)  **BrainPOP Jr.** [Making Equal Groups](http://www.brainpopjr.com/math/multiplicationanddivision/makingequalgroups/)  **BrainPOP** [Word Problems](http://www.brainpop.com/math/dataanalysis/wordproblems/)  **BrainPOP** [Game Theory](http://www.brainpop.com/socialstudies/economics/gametheory/)  **BrainPOP** [Problem Solving Using Tables](http://www.brainpop.com/math/dataanalysis/problemsolvingusingtables/)  **BrainPOP** [Using a Calculator](http://www.brainpop.com/math/dataanalysis/usingacalculator/)  ---------------------------------------------------- |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_\_36, 37 (cont.)\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| GLE 0306.1.5 Use mathematical ideas and processes in different settings to formulate patterns, analyze graphs, set up and solve problems and interpret solutions.  -------------------------------------------------------------------------  GLE 0306.1.6 Read and interpret the language of mathematics and use written/oral communication to express mathematical ideas precisely.  -----------------------------------------------------------------------  GLE 0306.1.7 Recognize the historical development of mathematics, mathematics in context, and the connections between mathematics and the real world. | **BrainPOP Jr.** [Basic Addition](http://www.brainpopjr.com/math/additionandsubtraction/basicadding/)  **BrainPOP Jr.** [Basic Subtraction](http://www.brainpopjr.com/math/additionandsubtraction/)  **BrainPOP Jr.** [Tally Charts and Bar Graphs](http://www.brainpopjr.com/math/data/tallychartsandbargraphs/)  **BrainPOP Jr.** [Making Ten](http://www.brainpopjr.com/math/additionandsubtraction/makingten/)  **BrainPOP Jr.** [Patterns](http://www.brainpopjr.com/math/geometry/patterns/)  **BrainPOP** [Word Problems](http://www.brainpop.com/math/dataanalysis/wordproblems/)  **BrainPOP** [Problem Solving Using Tables](http://www.brainpop.com/math/dataanalysis/problemsolvingusingtables/)  **BrainPOP** [Graphs](http://www.brainpop.com/math/dataanalysis/graphs/)  **BrainPOP** [Game Theory](http://www.brainpop.com/socialstudies/economics/gametheory/)  **BrainPOP** [Coordinate Plane](http://www.brainpop.com/math/geometryandmeasurement/coordinateplane/)  ----------------------------------------------  **BrainPOP Jr.** [Comparing Numbers](http://www.brainpopjr.com/math/numbersense/comparingnumbers/)  **BrainPOP Jr.** [One Hundred](http://www.brainpopjr.com/math/numbersense/onehundred/)  **BrainPOP Jr.** [Parts of a Clock](http://www.brainpopjr.com/math/time/partsofaclock/)  **BrainPOP** [Game Theory](http://www.brainpop.com/socialstudies/economics/gametheory/)  **BrainPOP** [Inequalities](http://www.brainpop.com/math/dataanalysis/inequalities/)  ----------------------------------------------  **BrainPOP Jr.** [One Hundred](http://www.brainpopjr.com/math/numbersense/onehundred/)  **BrainPOP** [Game Theory](http://www.brainpop.com/socialstudies/economics/gametheory/)  **BrainPOP** [Using a Calculator](http://www.brainpop.com/math/dataanalysis/usingacalculator/)  [Create a Graph](http://nces.ed.gov/nceskids/createagraph/default.aspx) |

**Grade\_\_3\_\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_36, 37 (cont.)\_\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| GLE 0306.1.8 Use technologies/manipulatives appropriately to develop understanding of mathematical algorithms, to facilitate problem solving, and to create accurate and reliable models of mathematical concepts.  ------------------------------------------------------------------------------------     * 0306.1.1 Read and write time to the nearest minute. | **BrainPOP Jr.** [Comparing Numbers](http://www.brainpopjr.com/math/numbersense/comparingnumbers/)  **BrainPOP Jr.** [One Hundred](http://www.brainpopjr.com/math/numbersense/onehundred/)  **BrainPOP Jr.** [Basic Addition](http://www.brainpopjr.com/math/additionandsubtraction/basicadding/)  **BrainPOP Jr.** [Basic Subtraction](http://www.brainpopjr.com/math/additionandsubtraction/)  **BrainPOP Jr.** [Adding and Subtracting Tens](http://www.brainpopjr.com/math/additionandsubtraction/addingandsubtractingtens/)  **BrainPOP Jr.** [Basic Parts of a Whole](http://www.brainpopjr.com/math/fractions/basicpartsofawhole/)  **BrainPOP Jr.** [Counting Coins](http://www.brainpopjr.com/math/money/countingcoins/)  **BrainPOP Jr.** [Adding with Regrouping](http://www.brainpopjr.com/math/additionandsubtraction/addingwithregrouping/)  **BrainPOP Jr.** [Dollars and Cents](http://www.brainpopjr.com/math/money/dollarsandcents/)  **BrainPOP Jr.** [Making Ten](http://www.brainpopjr.com/math/additionandsubtraction/makingten/)  **BrainPOP Jr.** [Arrays](http://www.brainpopjr.com/math/multiplicationanddivision/arrays/)  **BrainPOP Jr.** [Making Equal Groups](http://www.brainpopjr.com/math/multiplicationanddivision/makingequalgroups/)  **BrainPOP Jr.** [Place Value](http://www.brainpopjr.com/math/numbersense/placevalue/)  **BrainPOP** [Adding and Subtracting Fractions](http://www.brainpop.com/math/numbersandoperations/addingandsubtractingfractions/)  **BrainPOP** [Using a Calculator](http://www.brainpop.com/math/dataanalysis/usingacalculator/)  **BrainPOP** [Word Problems](http://www.brainpop.com/math/dataanalysis/wordproblems/)  **BrainPOP** [Game Theory](http://www.brainpop.com/socialstudies/economics/gametheory/)  ---------------------------------------------------------  [Telling Time to the Minute](http://www.studyzone.org/testprep/math4/e/timeminute.swf)  [Time to nearest minute worksheet](http://www.edhelper.com/math/time_sg415.htm)  [Circle Time to nearest minute worksheet](http://www.edhelper.com/math/time_sg417.htm)  [Learn to Tell Time](http://www.arcytech.org/java/clock/telling_time.html)  [Practice](http://www.amblesideprimary.com/ambleweb/mentalmaths/clock.html)  [Time Practice](http://www.oswego.org/ocsd-web/games/StopTheClock/sthec3.html)  [Telling Time Worksheets](http://www.dositey.com/math/time.htm) |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_36, 37 (cont.)\_\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| * 0306.1.4 Analyze problems by identifying relationships, distinguishing relevant from irrelevant information, and observing patterns.   -------------------------------------------------------------------------------------   * 0306.1.5 Determine when and how to break a problem into simpler parts.   ---------------------------------------------------------------------   * 0306.1.6 Use estimation to check answers for reasonableness, and calculators to check for accuracy.   ---------------------------------------------------------------------------------------   * 0306.1.7 Make and investigate mathematical conjectures.   ------------------------------------------------------------------------   * 0306.1.8 Explain and justify answers on the basis of mathematical properties, structures, and relationships.   ------------------------------------------------------------------------   * 0306.1.9 Use manipulatives to demonstrate that the commutative property holds for addition but not for subtraction.   -------------------------------------------------------------------------   * 0306.1.10 Use correct, clearly written and oral mathematical language to pose questions and communicate ideas. | [Number Cracker (math pattern game)](http://www.funbrain.com/cracker/index.html)  [Eduplace Finish and Extend Patterns](http://www.eduplace.com/kids/hmm/practice/templates/rules.jsp?ID=hmm07_ep/gr5/1602&GRADE=5&UNIT=6&CHAPTER=16&LESSON=2&UNIT_TITLE=Geometry%20and%20Measurement&CH)  ---------------------------------------------------  XXXXXXXXXXXXXXXXXXXX  ----------------------------------------------------------------  [Let’s Go Shopping](http://www.beaconlearningcenter.com/WebLessons/LetsGoShopping/default.htm)  [Roundoff](http://www.bbc.co.uk/education/mathsfile/shockwave/games/roundoff.html)  [Estimating a Sum by Rounding](http://www.aaamath.com/B/add38ax1.htm)  ---------------------------------------------------------------  [Walrus World](http://www.beaconlearningcenter.com/WebLessons/WalrusWorld/default.htm)  [Defined](http://en.wikipedia.org/wiki/Conjecture)  [Use of](http://en.wikipedia.org/wiki/Conjecture#Use_of_conjectures_in_conditional_proofs)  ----------------------------------------------------------------  XXXXXXXXXXXXXXXXXXXXX  -----------------------------------------------------------------  [Practice](http://www.aaaknow.com/g34a_ix1.htm)  [Reverse Lesson](http://www.aaaknow.com/g34b_ix1.htm)  -----------------------------------------------------------------  XXXXXXXXXXXXXXXXXXXXX |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_36, 37\_\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| * 0306.1.11 Develop strategies for solving problems involving addition and subtraction of measurements.   ------------------------------------------------------------------------   * 0306.1.12 Analyze and evaluate the mathematical thinking and strategies of others. **(TN 14,15)**   -----------------------------------------------------------------------   * 0306.1.13 Create and use representations to organize, record, and communicate mathematical ideas.   ----------------------------------------------------------------------   * 0306.1.14 Use age-appropriate books, stories, and videos to convey ideas of mathematics.   ------------------------------------------------------------------------------------  SPI 0306.1.2 Solve problems involving elapsed time.**(TN 60)** | [Practice](http://sakharov.net/puzzle/fairshare.html?SRC=sakharov)  ------------------------------------------------------  XXXXXXXXXXXXXX  -------------------------------------------  XXXXXXXXXXXXXX  -------------------------------------------  [Internet Linked Book Resources](http://www.usbornequicklinks.com/usa/usa_entity_pages/usa_all_links.asp?lvl=1&menu=s70&id=2573)  [Dictionary of Math](http://www.usbornequicklinks.com/usa/usa_entity_pages/usa_select_page.asp?lvl=1&id=1497)  [Brain Pop](http://www.brainpop.com/math/freemovies/)  [Brain Pop, Jr](http://www.brainpopjr.com/math/).  [Eric Carle Stories](http://www.teachnet-lab.org/miami/2003/delancy2/index.htm)  --------------------------------------------------------  [Elapsed time on a clock](http://www.harcourtschool.com/activity/elab2004/gr4/15.html)  [Elapsed time worksheets](http://www.mathslice.com/actionctl.php?actionid=512)  [Elapsed Times Game](http://www.beaconlearningcenter.com/WebLessons/IsItPETime/default.htm)  [Beginning](http://www.teachingtime.co.uk/draggames/sthec1.html)  [Next](http://www.teachingtime.co.uk/draggames/sthec2.html)  [Later](http://www.teachingtime.co.uk/draggames/sthec3.html)  [Advanced](http://www.teachingtime.co.uk/draggames/sthec4.html)  [Telling Time](http://player.discoveryeducation.com/index.cfm?guidassetid=85d709d8-9a1b-4bad-a24e-42e8fa586412)  **BrainPOP Jr.** [Time to the Hour](http://www.brainpopjr.com/math/time/timetothehour/)  **BrainPOP** [Daylight Saving Time](http://www.brainpop.com/socialstudies/geography/daylightsavingtime/)  **BrainPOP** [Word Problems](http://www.brainpop.com/math/dataanalysis/wordproblems/) |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_\_36, 37 (cont.)\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| SPI 0306.1.4 Match the spoken, written, concrete, and pictorial representations of fractions with denominators up to ten. **(TN 48)**  ----------------------------------------------------------------------  SPI 0306.1.5 Represent problems mathematically using diagrams, numbers, and symbolic expressions. **(TN 22)** | [Fraction Match Game](http://www.harcourtschool.com/activity/con_math/g03c21.html)  [Flowering Fractions](http://www.beaconlearningcenter.com/WebLessons/FloweringFractions/default.htm)  [Who Wants Pizza?](http://math.rice.edu/~lanius/fractions/index.html)  [Power Point](http://www.pasadenaisd.org/teachertoolbox/PPts/fractions.ppt) Fractions  [Matching](http://www.mathsisfun.com/equivalent_fractions.html)  [Different Fraction Sites](http://www.aaamath.com/fra.html)  DEA Resources:   * [Fractions & a Picnic](http://player.discoveryeducation.com/index.cfm?guidAssetId=82d46648-a28e-47f3-8a0d-c6b4ed4e1535&blnPopup=1&productCode=DEA) * [Making Wholes from a Combination of Halv...](http://player.discoveryeducation.com/index.cfm?guidassetid=7b09a9ff-1f15-41a9-8afd-59a6205840ac)   **BrainPOP Jr.** [Basic Parts of a Whole](http://www.brainpopjr.com/math/fractions/basicpartsofawhole/)  **BrainPOP Jr.** [Comparing Numbers](http://www.brainpopjr.com/math/numbersense/comparingnumbers/)  **BrainPOP Jr.** [One Hundred](http://www.brainpopjr.com/math/numbersense/onehundred/)  **BrainPOP Jr.** [Place Value](http://www.brainpopjr.com/math/numbersense/placevalue/)  **BrainPOP** [Adding and Subtracting Fractions](http://www.brainpop.com/math/numbersandoperations/addingandsubtractingfractions/)  **BrainPOP** [Multiplying and Dividing Fractions](http://www.brainpop.com/math/numbersandoperations/multiplyinganddividingfractions/)  **BrainPOP** [Inequalities](http://www.brainpop.com/math/dataanalysis/inequalities/)  **BrainPOP** [Mixed Numbers](http://www.brainpop.com/math/numbersandoperations/mixednumbers/)  **BrainPOP** [Rational and Irrational Numbers](http://www.brainpop.com/math/numbersandoperations/rationalandirrationalnumbers/)  **BrainPOP** [Word Problems](http://www.brainpop.com/math/dataanalysis/wordproblems/)  -----------------------------------------------  **BrainPOP Jr.** [One Hundred](http://www.brainpopjr.com/math/numbersense/onehundred/)  **BrainPOP Jr.** [Time to the Hour](http://www.brainpopjr.com/math/time/timetothehour/)  **BrainPOP Jr.** [Making Equal Groups](http://www.brainpopjr.com/math/multiplicationanddivision/makingequalgroups/)  **BrainPOP** [Inequalities](http://www.brainpop.com/math/dataanalysis/inequalities/)  **BrainPOP** [Problem Solving Using Tables](http://www.brainpop.com/math/dataanalysis/problemsolvingusingtables/)  **BrainPOP** [Word Problems](http://www.brainpop.com/math/dataanalysis/wordproblems/)  **BrainPOP** [Game Theory](http://www.brainpop.com/socialstudies/economics/gametheory/)  **BrainPOP** [Roman Numerals](http://www.brainpop.com/math/numbersandoperations/romannumerals/)  **DEA Resources:**   * [Mental Math](http://player.discoveryeducation.com/index.cfm?guidAssetId=4224142a-ed99-48cd-8789-f30b3339cc83&blnPopup=1&productCode=DEA) * [Estimating Computations](http://player.discoveryeducation.com/index.cfm?guidAssetId=c83a3762-d6f5-4d47-bfea-af08215b688a&blnPopup=1&productCode=DEA) * [Dialogue to Understand Problems](http://player.discoveryeducation.com/index.cfm?guidassetid=581ba9a9-9df2-4e64-a727-f40d7f906dd9) |

**Grade\_\_3\_\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_36, 37\_\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| SPI 0306.1.7 Select appropriate units and tools to solve problems involving measures.  **(TN 55)** | **BrainPOP Jr.** [Centimeters, Meters, Kilometers](http://www.brainpopjr.com/math/measurement/centimetersmeterskilometers/)  **BrainPOP Jr.** [Grams and Kilograms](http://www.brainpopjr.com/math/measurement/gramsandkilograms/)  **BrainPOP Jr.** [Time to the Hour](http://www.brainpopjr.com/math/time/timetothehour/)  **BrainPOP Jr.** [Calendar and Dates](http://www.brainpopjr.com/math/calendar/calendaranddates/)  **BrainPOP Jr.** [Counting Coins](http://www.brainpopjr.com/math/money/countingcoins/)  **BrainPOP Jr.** [Cups, Pints, Quarts, Gallons](http://www.brainpopjr.com/math/measurement/cupspintsquartsgallons/)  **BrainPOP Jr.** [Inches and Feet](http://www.brainpopjr.com/math/measurement/inchesandfeet/)  **BrainPOP Jr.** [Ounces, Pounds, Tons](http://www.brainpopjr.com/math/measurement/ouncespoundsandtons/)  **BrainPOP Jr.** [Parts of a Clock](http://www.brainpopjr.com/math/time/partsofaclock/)  **BrainPOP Jr.** [Perimeter](http://www.brainpopjr.com/math/measurement/perimeter/)  **BrainPOP Jr.** [Time to the Quarter and Half Hour](http://www.brainpopjr.com/math/time/timetothequarterandhalfhour/preview.weml)  **BrainPOP** [Customary Units](http://www.brainpop.com/math/numbersandoperations/customaryunits/)  **BrainPOP** [Metric Units](http://www.brainpop.com/math/numbersandoperations/metricunits/)  **BrainPOP** [Angles](http://www.brainpop.com/math/geometryandmeasurement/angles/)  **BrainPOP** [Geometry](http://www.brainpop.com/math/geometryandmeasurement/geometry/)  **BrainPOP** [Word Problems](http://www.brainpop.com/math/dataanalysis/wordproblems/)  [Estimating Customary Length](http://www.harcourtschool.com/elab/act_3_24.html)  DEA Resources:   * [Volume & Cubic Units](http://player.discoveryeducation.com/index.cfm?guidAssetId=252b9e7a-5fef-47f4-ba3d-02d325be18fc&blnPopup=1&productCode=DEA) * [Finding an Area](http://player.discoveryeducation.com/index.cfm?guidAssetId=d2c7f2ef-2681-4b41-af51-5e75f2824998&blnPopup=1&productCode=DEA) * [Using a Ruler](http://player.discoveryeducation.com/index.cfm?guidAssetId=e01ddb22-1a0b-4435-97c2-6723f98a39f6&blnPopup=1&productCode=DEA) * [Tools for Measurement](http://player.discoveryeducation.com/index.cfm?guidassetid=1233eaa7-81c6-4a2b-be2f-f75fb3c2bfe1) |

**Grade\_\_3\_\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_36, 37 (cont.)\_\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| SPI 0306.1.8 Express answers clearly in verbal, numerical, or graphical (bar and picture) form, using units when appropriate. **(TN 65)**  ------------------------------------------------------  SPI 0306.2.6 Recall basic multiplication facts through 10 times10 and the related division facts. **(TN 27)** | **BrainPOP Jr.** [Time to the Hour](http://www.brainpopjr.com/math/time/timetothehour/)  **BrainPOP Jr.** [Even and Odd](http://www.brainpopjr.com/math/numbersense/evenandodd/)  **BrainPOP Jr.** [Pictographs](http://www.brainpopjr.com/math/data/pictographs/)  **BrainPOP Jr.** [Tally Charts and Bar Graphs](http://www.brainpopjr.com/math/data/tallychartsandbargraphs/)  **BrainPOP** [Graphs](http://www.brainpop.com/math/dataanalysis/graphs/)  **BrainPOP** [Inequalities](http://www.brainpop.com/math/dataanalysis/inequalities/)  **BrainPOP** [Roman Numerals](http://www.brainpop.com/math/numbersandoperations/romannumerals/)  [Addition with Math Cubes](http://jc-schools.net/dynamic/math/lessons/Adding%20with%20Math%20Cubes.pdf)  DEA Resources:  [Example 2: Comparing Pictographs](http://player.discoveryeducation.com/index.cfm?guidassetid=350867fb-96f0-4ed0-8c61-44205350fe74)  ------------------------------------------------  **BrainPOP Jr.** [Arrays](http://www.brainpopjr.com/math/multiplicationanddivision/arrays/)  **BrainPOP Jr.** [Making Equal Groups](http://www.brainpopjr.com/math/multiplicationanddivision/makingequalgroups/)  **BrainPOP** [Multiplication](http://www.brainpop.com/math/numbersandoperations/multiplication/)  **BrainPOP** [Factoring](http://www.brainpop.com/math/numbersandoperations/factoring/)  **BrainPOP** [Division](http://www.brainpop.com/math/numbersandoperations/division/)  **PowerPoint** [**Multiplying By 3**](http://jc-schools.net/dynamic/math/ppt/multiplication%20review%203s.ppt)  [**Multiplication.com**](http://www.multiplication.com/resources.htm)  [**Farm Stand**](http://www.prongo.com/farm/index.html)  [**Flashcards**](http://www.multiplication.com/flashcards.htm)  [**Basic Facts Practice**](http://www.mathplayground.com/multiplication01.html)  [**Facts Practice Worksheets**](http://math.about.com/cs/multiplication/a/multws.htm)  [**Facts Practice**](http://www.mathsisfun.com/timestable.html)  [**Free Multiplication Worksheets**](http://www.math-drills.com/multiplication.shtml)  [**Facts Drill**](http://www.primarygames.com/flashcards/multiplication/start.htm)  [Multiplication Tic Tac Toe](http://www.primarygames.com/math/multiplication/start.htm)  [Flo Explains a Multiplication Problem](http://player.discoveryeducation.com/index.cfm?guidassetid=2caad7dd-bffc-4610-9d2f-4e2bcff5ebcb) |

**Grade\_\_\_3\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_36, 37 (cont.)\_\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
| SPI 0306.3.4 Describe or extend (including finding missing terms) geometric and numeric patterns. **(TN 29)** | **BrainPOP Jr.** [Patterns](http://www.brainpopjr.com/math/geometry/patterns/)  **BrainPOP Jr.** [Even and Odd](http://www.brainpopjr.com/math/numbersense/evenandodd/)  **BrainPOP Jr.** [One Hundred](http://www.brainpopjr.com/math/numbersense/onehundred/)  **BrainPOP Jr.** [Adding and Subtracting Tens](http://www.brainpopjr.com/math/additionandsubtraction/addingandsubtractingtens/)  **BrainPOP** [Fibonacci Sequence](http://www.brainpop.com/math/numbersandoperations/fibonaccisequence/)  [Pattern Quest](http://pbskids.org/cyberchase/games/data/data.html)  [Practice](http://www.aaastudy.com/g3fmran3.htm)  [Power Point](http://www.pasadenaisd.org/IT/IThome/Mathology/Mathology%203.pps#258,3,Patterns) on Patterns  DEA Resources:   * [Representing Patterns](http://player.discoveryeducation.com/index.cfm?guidAssetId=b3658e2c-34c4-43ba-bc0b-7049f28384cb&blnPopup=1&productCode=DEA) * [http://www.interactive-resources.co.uk/m...](http://www.interactive-resources.co.uk/mathspack2/fmachine/function.html) * [Using Calculation to Solve Problems](http://player.discoveryeducation.com/index.cfm?guidassetid=e7fd2125-6a3c-4c4c-9222-415fb9bb1ca7) |

**Grade\_\_\_\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_\_\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
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**Grade\_\_\_\_\_\_\_\_\_ Math Pacing Guide**

**Instructional Week \_\_\_\_\_\_\_\_**

**Academic Vocabulary:**

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| **Grade Level Expectations/Checks For Understanding/State Performance Indicators** | **Resources** |
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