

**RESOURCE FOR THE COURSE 1 CARNEGIE TEXTBOOK**

Topics having Title Bars with an **Orange background** are NOT 6th Grade Standard Topics. These should be taught only if necessary for students to understand topics which are 6th grade Standard.

Topics having Title Bars with a **Red background** should be skipped.

SECTION and PAGE NUMBER	TOPIC
The Number in front of each Lesson is used to reference the number of each Topic provided in the opposite column.	Topic names and Numbers come from the Numbers and Names of the Summaries at the end of each chapter. .....
<b>The lessons with BOLDED BLUE type are the most valuable</b>	
1.1 Pages 5 - 14 <b>Factors and Multiples</b>	<b>1. Listing Factors and Multiples</b>
<b>A Fourth Grade Standard</b>	
<b>1. The Commutative and Distributive Property of Multiplication</b>	<a href="http://amphimath.com/undermult.html">http://amphimath.com/undermult.html</a>
<b>1. Find all factor pairs using a rainbow factor line (3:15)</b>	<a href="http://learnzillion.com/lessons/782-find-all-factor-pairs-using-a-rainbow-factor-line">http://learnzillion.com/lessons/782-find-all-factor-pairs-using-a-rainbow-factor-line</a>
1. Apply the Distributive property: using area models (5:20)	<a href="http://learnzillion.com/lessons/372-apply-the-distributive-property-using-area-models">http://learnzillion.com/lessons/372-apply-the-distributive-property-using-area-models</a>

1.2 Pages 15 - 30 Physical Models of Factors and Multiples	1. Determining Factors Using Models
1. Find all the factor pairs of a number using area models (3:28)	<a href="http://learnzillion.com/lessons/780-find-all-the-factor-pairs-of-a-number-using-area-models">http://learnzillion.com/lessons/780-find-all-the-factor-pairs-of-a-number-using-area-models</a>
1.2 Pages 15 - 30 Physical Models of Factors and Multiples	1. Classifying Numbers Using Venn Diagrams
Venn Diagrams are not a Common Core Standard	
1. INTERACTIVE: Greatest Common Factor Using Venn Diagram	<a href="http://www.softschools.com/math/factors/greatest_common_factor/gcf_with_venn_diagram/">http://www.softschools.com/math/factors/greatest_common_factor/gcf_with_venn_diagram/</a>
1. Venn Diagram for LCM and GCF (5:56)	<a href="http://www.youtube.com/watch?v=i44_AqpEFOU">http://www.youtube.com/watch?v=i44_AqpEFOU</a>
1.3 Pages 31 - 34 Investigating Prime and Composite Numbers	1. Distinguishing Between Prime and Composite Numbers 2. Identifying the Multiplicative Identity
A Fourth Grade Standard	
1. Prime & Composite Numbers (5:54)	<a href="http://www.youtube.com/watch?v=k-1IZMmJSY">http://www.youtube.com/watch?v=k-1IZMmJSY</a>
1. Prime and Composite Numbers	<a href="http://www.slideshare.net/Ms.DH/factors-primess-3058749#btnNext">http://www.slideshare.net/Ms.DH/factors-primess-3058749#btnNext</a>
2. Multiplicative Identity (1:02)	<a href="http://www.youtube.com/watch?v=3A6oZDW_Ofo">http://www.youtube.com/watch?v=3A6oZDW_Ofo</a>
1. Determine if a number is prime or composite using area models (2:43)	<a href="http://learnzillion.com/lessons/786-determine-if-a-number-is-prime-or-composite-using-area-models">http://learnzillion.com/lessons/786-determine-if-a-number-is-prime-or-composite-using-area-models</a>
1.4 Pages 35 - 50 Investigating Divisibility Rules	1. Applying Divisibility Rules
A Fourth Grade Standard	
1. Divisibility of a Number	<a href="http://www.youtube.com/watch?v=UZYpOKtylXM">http://www.youtube.com/watch?v=UZYpOKtylXM</a>

<b>2.1 Pages 51 - 60 Prime Factorization and Factor Trees</b>	<b>1. Determining the Prime Factorization of a Number</b>
1. Prime factorization Using Factor Trees (5:50)	<a href="http://www.youtube.com/watch?v=qGkK8xkWs6U">http://www.youtube.com/watch?v=qGkK8xkWs6U</a>
1. Prime Factorization (4:08)	<a href="http://www.youtube.com/watch?v=ZKKDTfHcsG0">http://www.youtube.com/watch?v=ZKKDTfHcsG0</a>
<b>2.2 Pages 61 - 68 Investigating Multiples and Least Common Multiples</b>	<b>1. Determining the Least Common Multiple</b>
1. Least Common Multiple using the Factor Box Method	<a href="http://amphimath.com/">http://amphimath.com/</a>
1. Venn Diagram for LCM and GCF (5:55)	<a href="http://www.youtube.com/watch?v=i44_AgpEFOU">http://www.youtube.com/watch?v=i44_AgpEFOU</a>
1. Prime factorization with exponents (4:49)	<a href="http://www.youtube.com/watch?v=ke0iSneCsdQ">http://www.youtube.com/watch?v=ke0iSneCsdQ</a>
1. Finding the Least Common Multiple (9:02)	<a href="http://www.youtube.com/watch?v=sxOMeDmHp2Q">http://www.youtube.com/watch?v=sxOMeDmHp2Q</a>
1. The LCM using the common multiple of two numbers and prime numbers (13:30)	<a href="http://www.youtube.com/watch?NR=1&amp;v=N_TeeaKio5c&amp;feature=endscreen">http://www.youtube.com/watch?NR=1&amp;v=N_TeeaKio5c&amp;feature=endscreen</a>
<b>2.3 Pages 69 - 76 Investigating Factors and Greatest Common Factors</b>	<b>1. Determining the Greatest Common Factor</b>
1. How to find the Greatest Common Factor using prime factors (4:47)	<a href="http://www.youtube.com/watch?v=uE9O8N5JYB4">http://www.youtube.com/watch?v=uE9O8N5JYB4</a>
1. Venn Diagram for LCM and GCF (5:55)	<a href="http://www.youtube.com/watch?v=i44_AgpEFOU">http://www.youtube.com/watch?v=i44_AgpEFOU</a>
1. Greatest Common Factor by using the factors common in each number	<a href="http://www.mathsisfun.com/greatest-common-factor.html">http://www.mathsisfun.com/greatest-common-factor.html</a>
<b>2.4 Pages 77 - 91 Using GCF and LCM to Solve Problems</b>	<b>1. Using GCF and LCM to Solve Problems</b>
1. LCM (least common multiple) and GCF (greatest common factor) word problems (8:33)	<a href="http://www.youtube.com/watch?v=1Vb8t7Y-pl0">http://www.youtube.com/watch?v=1Vb8t7Y-pl0</a>
1. Interactive tool: Finding the Least Common Multiple with Venn Diagrams	<a href="http://www.softschools.com/math/factors/least_common_multiples/lcm_with_venn_diagram/">http://www.softschools.com/math/factors/least_common_multiples/lcm_with_venn_diagram/</a>

<b>3.1 Pages 95 - 112      Modeling Parts of a Whole</b>	<b>1. Dividing a Whole into Fractional Parts</b> <b>2. Dividing a Set into Fractional Parts</b>
<b>A Fourth Grade Standard</b>	
<p><b>1. Dividing a Whole into Fractional Parts.</b></p> <p>A fraction describes a part of a whole. The denominator shows how many parts the whole has been divided into. A common example of a denominator is a number describing how many pieces a pizza has been cut into. The numerator tells us how many of the pieces of the whole the fraction represents. If a pizza is cut into 8 pieces, the fraction <math>\frac{3}{8}</math> represents three pieces of the whole pizza. When fractions (with a common denominator) are added together, the numerator increases but the denominator does not. The numerator can be thought of as a basket into which pieces are collected. Suppose we add three fractions: <math>\frac{1}{8}</math>, <math>\frac{3}{8}</math>, and <math>\frac{4}{8}</math>, representing 1, 3 and 4 pieces of a pizza which has been cut into 8 pieces. When the first fraction (<math>\frac{1}{8}</math>) is added, the numerator basket contains one piece of the pizza.</p> <p>The denominator remains 8 because the the number of pieces the pizza has been cut into does not change when we add a fraction. After the second fraction (<math>\frac{3}{8}</math>) is added, the numerator basket contains 4 pieces of pizza (one from the first fraction plus three from the second). The numerator increases with the addition, the denominator does not. The denominator, which tells us how many pieces the pizza has been cut into, remains 8 because the number of pieces that the pizza has been cut into does not change when the two fractions are added. Adding the third fraction (<math>\frac{4}{8}</math>) puts four more pieces in the numerator basket. The numerator basket now contains 8 pieces. Since the pizza was cut into 8 pieces and we have collected 8 pieces we now have a complete pizza. We have <math>\frac{8}{8}</math> of the pizza which equals one whole pizza. If we were to add <math>\frac{3}{8}</math> more pizza, the basket would contain 11 pieces. This fraction is more than one pizza. It is <math>\frac{11}{8}</math> or <math>1\frac{3}{8}</math> pizza.</p> <p><b>2. Dividing a Set into Fractional Parts.</b></p> <p>Suppose I have a set of 10 balls: 3 red, 4 white and 3 green. I can describe a fraction of the set for each color. The denominator of the fraction is 10, the total balls in the set. The numerator is the number of balls for each color. <math>\frac{3}{10}</math> are red, <math>\frac{4}{10}</math> are white and <math>\frac{3}{10}</math> are green.</p>	
<b>3.2 Pages 113 - 1128      Fractional Representations</b>	<b>1. Identifying Parts of Wholes</b>
<b>A Fourth Grade Standard</b>	
<b>1. Represent a fraction as the sum of unit fractions using an area model (4:48)</b>	<a href="http://learnzillion.com/lessons/3026-represent-a-fraction-as-the-sum-of-unit-fractions-using-an-area-model">http://learnzillion.com/lessons/3026-represent-a-fraction-as-the-sum-of-unit-fractions-using-an-area-model</a>

1. Fractions	<a href="http://www.mathgoodies.com/lessons/fractions/">http://www.mathgoodies.com/lessons/fractions/</a>
1. Find a fraction: identifying the parts of a whole (4:58)	<a href="http://learnzillion.com/lessons/352-find-a-fraction-identifying-the-parts-of-a-whole">http://learnzillion.com/lessons/352-find-a-fraction-identifying-the-parts-of-a-whole</a>
<b>3.3 Pages 129 - 140 Dividing a Whole into Fractional Parts</b>	<b>1. Plotting Fractions on a Number Line</b>
<b>A Fourth Grade Standard</b>	
1. How to plot fractions on a number line (5:01)	<a href="http://www.youtube.com/watch?v=ns2_3gtXdiA">http://www.youtube.com/watch?v=ns2_3gtXdiA</a>
1. Show how to plot fractions on a number line (4:42)	<a href="http://www.youtube.com/watch?v=Kt7Dwr7BftE">http://www.youtube.com/watch?v=Kt7Dwr7BftE</a>
1. Create common denominators using number lines (5:08)	<a href="http://learnzillion.com/lessons/845-create-common-denominators-using-number-lines">http://learnzillion.com/lessons/845-create-common-denominators-using-number-lines</a>
1. How to plot fractions on a number line (2:06)	<a href="http://www.youtube.com/watch?v=EldmdTRQWTE">http://www.youtube.com/watch?v=EldmdTRQWTE</a>
<b>3.4 Pages 141 - 150 Benchmark Fractions</b>	<b>1. Estimating Fractions Using Benchmark Fractions 2. Comparing and Ordering Fractions Using Benchmark Fraction</b>
<b>A Fourth Grade Standard</b>	
1. Use benchmark fractions to determine the reasonableness of an answer (7:45)	<a href="http://learnzillion.com/lessons/3036-use-benchmark-fractions-to-determine-the-reasonableness-of-an-answer">http://learnzillion.com/lessons/3036-use-benchmark-fractions-to-determine-the-reasonableness-of-an-answer</a>
2. Compare fractions using the benchmark fraction $\frac{1}{2}$ (5:23)	<a href="http://learnzillion.com/lessons/1431-compare-fractions-using-the-benchmark-fraction-12">http://learnzillion.com/lessons/1431-compare-fractions-using-the-benchmark-fraction-12</a>
2. Compare fractions: using less than $\frac{1}{2}$ or more than $\frac{1}{2}$ (5:22)	<a href="http://learnzillion.com/lessons/358-compare-fractions-using-less-than-12-or-more-than-12">http://learnzillion.com/lessons/358-compare-fractions-using-less-than-12-or-more-than-12</a>
2. Compare fractions to a benchmark of one using area models (4:55)	<a href="http://learnzillion.com/lessons/849-compare-fractions-to-a-benchmark-of-one-using-area-models">http://learnzillion.com/lessons/849-compare-fractions-to-a-benchmark-of-one-using-area-models</a>
<b>3.5 Pages 151 - 166 Equivalent Fractions</b>	<b>1. Writing Equivalent Fractions</b>
<b>A Fourth Grade Standard</b>	
1. Finding Equivalent Fractions (6:52)	<a href="http://www.youtube.com/watch?v=Uu5NxKH0Sh8">http://www.youtube.com/watch?v=Uu5NxKH0Sh8</a>
1. How to Reduce Fractions to Lowest Terms (7:10)	<a href="http://www.youtube.com/watch?v=di9ruaJ1QLA">http://www.youtube.com/watch?v=di9ruaJ1QLA</a>
1. Equivalent Fractions Using the Greatest Common Factor (10:27)	<a href="http://www.youtube.com/watch?v=AHJCAYVTEwM">http://www.youtube.com/watch?v=AHJCAYVTEwM</a>

<b>3.6 Pages 167 - 176 Adding and Subtracting Fractions with Like and Unlike Denominators</b>	<b>1. Adding and Subtracting Fractions with Like and Unlike Denominators</b>
<b>A Fifth Grade Standard</b>	
<b>1. Bar Model - Fractions with Different Denominators (8:34)</b>	<a href="http://www.youtube.com/watch?v=eQa2S92ftNo">http://www.youtube.com/watch?v=eQa2S92ftNo</a>
1. Add fractions with different denominators using fraction bars (4:37)	<a href="http://learnzillion.com/lessons/973-add-fractions-with-different-denominators-using-fraction-bars">http://learnzillion.com/lessons/973-add-fractions-with-different-denominators-using-fraction-bars</a>
1. Subtract fractions with different denominators using fraction bars (4:33)	<a href="http://learnzillion.com/lessons/974-subtract-fractions-with-different-denominators-using-fraction-bars">http://learnzillion.com/lessons/974-subtract-fractions-with-different-denominators-using-fraction-bars</a>
1. Adding and Subtracting Fractions with Like Denominators (8:18)	<a href="http://www.youtube.com/watch?v=i_zba2gf3Tw">http://www.youtube.com/watch?v=i_zba2gf3Tw</a>
<b>3.7 Pages 177 - 186 Improper Fractions and Mixed Numbers</b>	<b>1. Writing Improper Fractions as Mixed Numbers 2. Writing Mixed Numbers as Improper Fractions 3. Adding and Subtracting Mixed Numbers</b>
<b>A Fifth Grade Standard</b>	
<b>1. Changing an Improper Fraction to a Mixed Number (4:01)</b>	<a href="http://www.youtube.com/watch?v=8JyPzTeA_8w">http://www.youtube.com/watch?v=8JyPzTeA_8w</a>
<b>2. Converting Mixed Numbers to Improper Fractions (4:25)</b>	<a href="http://www.youtube.com/watch?v=-sA-vI2a2mM">http://www.youtube.com/watch?v=-sA-vI2a2mM</a>
<b>3. Add and subtract mixed numbers: by grouping and renaming (5:01)</b>	<a href="http://learnzillion.com/lessons/119-add-and-subtract-mixed-numbers-by-grouping-and-renaming">http://learnzillion.com/lessons/119-add-and-subtract-mixed-numbers-by-grouping-and-renaming</a>
<b>3. Subtract mixed numbers: decomposing wholes (5:02)</b>	<a href="http://learnzillion.com/lessons/117-subtract-mixed-numbers-decomposing-wholes">http://learnzillion.com/lessons/117-subtract-mixed-numbers-decomposing-wholes</a>
3. Subtract mixed numbers: converting them into improper fractions (4:56)	<a href="http://learnzillion.com/lessons/118-subtract-mixed-numbers-converting-them-into-improper-fractions">http://learnzillion.com/lessons/118-subtract-mixed-numbers-converting-them-into-improper-fractions</a>
<b>3.8 Pages 187 - 198 Parts of Parts</b>	<b>1. Using an Area Model to Represent a Part of a Part (multiply fractions) 2. Multiplying Fractions (including mixed numbers)</b>
<b>1. Multiply fractions by fractions by using area models. (5:02)</b>	<a href="http://learnzillion.com/lessons/213-multiply-fractions-by-fractions-using-area-models">http://learnzillion.com/lessons/213-multiply-fractions-by-fractions-using-area-models</a>
<b>1. Multiply fractions by fractions by mult across (4:19)</b>	<a href="http://learnzillion.com/lessons/214-multiply-fractions-by-fractions-by-mult-across">http://learnzillion.com/lessons/214-multiply-fractions-by-fractions-by-mult-across</a>
<b>2. Multiply a fraction by a fraction using area models (4:09)</b>	<a href="http://learnzillion.com/lessons/1550-multiply-a-fraction-by-a-fraction-using-area-models-2">http://learnzillion.com/lessons/1550-multiply-a-fraction-by-a-fraction-using-area-models-2</a>

<b>2. Find the product of a fraction and a mixed number by using area models (4:19)</b>	<a href="http://learnzillion.com/lessons/1546-find-the-product-of-a-fraction-and-a-mixed-number-by-using-area-models">http://learnzillion.com/lessons/1546-find-the-product-of-a-fraction-and-a-mixed-number-by-using-area-models</a>
1. Multiply a fraction by a fraction using area models	<a href="http://learnzillion.com/lessons/1549-multiply-a-fraction-by-a-fraction-using-area-models-1">http://learnzillion.com/lessons/1549-multiply-a-fraction-by-a-fraction-using-area-models-1</a>
2. Multiply whole numbers by mixed numbers: using area models (4:58)	<a href="http://learnzillion.com/lessons/216-multiply-whole-numbers-by-mixed-numbers-using-area-models">http://learnzillion.com/lessons/216-multiply-whole-numbers-by-mixed-numbers-using-area-models</a>
2. Simplify fraction multiplication problems: cancelling common factors (5:08)	<a href="http://learnzillion.com/lessons/373-simplify-fraction-multiplication-problems-cancelling-common-factors">http://learnzillion.com/lessons/373-simplify-fraction-multiplication-problems-cancelling-common-factors</a>
2. Multiply mixed numbers by renaming factors (5:08)	<a href="http://learnzillion.com/lessons/215-multiply-mixed-numbers-by-renaming-factors">http://learnzillion.com/lessons/215-multiply-mixed-numbers-by-renaming-factors</a>
<b>3.9 Pages 199 - 210                      Parts in a Part</b>	<b>1. Dividing Fractions</b>
<b>1. Dividing fractions by fractions using visual models (4:59)</b>	<a href="http://learnzillion.com/lessons/204-divide-fractions-by-fractions-using-models">http://learnzillion.com/lessons/204-divide-fractions-by-fractions-using-models</a>
<b>1. Singapore Math - Dividing Fractions (7:43)</b>	<a href="http://www.youtube.com/watch?v=11SEY-P_h0">http://www.youtube.com/watch?v=11SEY-P_h0</a>
<b>1. Divide fractions by fractions: using the common denominator (5:02)</b>	<a href="http://learnzillion.com/lessons/206-divide-fractions-by-fractions-using-the-common-denominator">http://learnzillion.com/lessons/206-divide-fractions-by-fractions-using-the-common-denominator</a>
1. Divide a fraction by a fraction (4:44)	<a href="http://learnzillion.com/lessons/1251-divide-a-fraction-by-a-fraction">http://learnzillion.com/lessons/1251-divide-a-fraction-by-a-fraction</a>
1. Divide whole numbers by fractions: using the reciprocal (4:46)	<a href="http://learnzillion.com/lessons/202-divide-whole-numbers-by-fractions-using-the-reciprocal">http://learnzillion.com/lessons/202-divide-whole-numbers-by-fractions-using-the-reciprocal</a>
1. Dividing a Fraction by a Fraction with Remainders (5:02)	<a href="http://learnzillion.com/lessons/1254-divide-a-fraction-by-a-fraction-with-remainders">http://learnzillion.com/lessons/1254-divide-a-fraction-by-a-fraction-with-remainders</a>
<b>3.10 Pages 211 - 216                      Mixed Number Division</b>	<b>1. Dividing Mixed Numbers</b>
<b>1. Divide mixed numbers and fractions (4:27)</b>	<a href="http://learnzillion.com/lessons/1256-divide-mixed-numbers-and-fractions">http://learnzillion.com/lessons/1256-divide-mixed-numbers-and-fractions</a>
<b>1. Divide a fraction by a whole number (3:41)</b>	<a href="http://learnzillion.com/lessons/3592-divide-a-fraction-by-a-whole-number">http://learnzillion.com/lessons/3592-divide-a-fraction-by-a-whole-number</a>
<b>1. Understanding Mixed Number Division (3:25)</b>	<a href="http://www.youtube.com/watch?v=yggazNare2w">http://www.youtube.com/watch?v=yggazNare2w</a>
<b>1. Dividing mixed numbers (2:40)</b>	<a href="http://www.khanacademy.org/math/arithmetic/fractions/mixed_number_mult_div/v/dividing-mixed-numbers">http://www.khanacademy.org/math/arithmetic/fractions/mixed_number_mult_div/v/dividing-mixed-numbers</a>
1. Divide mixed numbers by fractions: using visual models. (5:02)	<a href="http://learnzillion.com/lessons/207-divide-mixed-numbers-by-fractions-using-models">http://learnzillion.com/lessons/207-divide-mixed-numbers-by-fractions-using-models</a>
1. Divide fractions by whole numbers: using models (5:02)	<a href="http://learnzillion.com/lessons/203-divide-fractions-by-whole-numbers-using-models">http://learnzillion.com/lessons/203-divide-fractions-by-whole-numbers-using-models</a>

<b>4.1 Pages 227 - 236 Introduction to Decimals</b>	<b>1. Writing Decimals 2. Representing Decimals on Tenths Grid and a Hundredths Grid 3. Representing Decimals on a Number Line</b>
<b>A Fifth Grade Standard</b>	
<b>1. Write decimals in expanded form. (3:18)</b>	<a href="http://learnzillion.com/lessons/429-write-decimals-in-expanded-notation">http://learnzillion.com/lessons/429-write-decimals-in-expanded-notation</a>
<b>2. Decimals on Tenths and Hundredths Grids (5:28)</b>	<a href="http://www.youtube.com/watch?v=2FH6YiLWlUE">http://www.youtube.com/watch?v=2FH6YiLWlUE</a>
<b>2. Write thousandths as decimal numbers (3:58)</b>	<a href="http://learnzillion.com/lessons/427-write-thousandths-as-decimal-numbers">http://learnzillion.com/lessons/427-write-thousandths-as-decimal-numbers</a>
<b>3. Compare decimals using a number line (2:55)</b>	<a href="http://learnzillion.com/lessons/563-compare-decimals-using-a-number-line">http://learnzillion.com/lessons/563-compare-decimals-using-a-number-line</a>
1. Name decimals through the thousandths place (2:51)	<a href="http://learnzillion.com/lessons/428-name-decimals-through-the-thousandths-place">http://learnzillion.com/lessons/428-name-decimals-through-the-thousandths-place</a>
2. INTERACTIVE - Modeling Decimals (Area and Grid Models)	<a href="http://www.explorelearning.com/index.cfm?method=cResource.dspView&amp;ResourceID=1007">http://www.explorelearning.com/index.cfm?method=cResource.dspView&amp;ResourceID=1007</a>
<b>4.2 Pages 237 - 250 Comparing, Ordering, Estimating and Rounding Decimals</b>	<b>1. Comparing and Ordering Decimals 2. Estimating Decimals Using Benchmark Decimals 3. Rounding Decimals</b>
<b>A Fifth Grade Standard</b>	
<b>1. Compare decimals using base ten blocks (3:45)</b>	<a href="http://learnzillion.com/lessons/564-compare-decimals-using-base-ten-blocks">http://learnzillion.com/lessons/564-compare-decimals-using-base-ten-blocks</a>
<b>1. Comparing and Ordering Decimals (7:56)</b>	<a href="http://www.youtube.com/watch?v=Osrp5Yb4TI">http://www.youtube.com/watch?v=Osrp5Yb4TI</a>
<b>2. Fraction and Decimal Benchmarks (11:35)</b>	<a href="http://www.youtube.com/watch?v=5EGaUL90Ugs">http://www.youtube.com/watch?v=5EGaUL90Ugs</a>
<b>3. Round decimals to the nearest whole number using a number line (3:16)</b>	<a href="http://learnzillion.com/lessons/431-round-decimals-to-the-nearest-whole-number-using-a-number-line">http://learnzillion.com/lessons/431-round-decimals-to-the-nearest-whole-number-using-a-number-line</a>
<b>3. Round decimals to the nearest tenth using a number line (3:14)</b>	<a href="http://learnzillion.com/lessons/432-round-decimals-to-the-nearest-tenth-using-a-number-line">http://learnzillion.com/lessons/432-round-decimals-to-the-nearest-tenth-using-a-number-line</a>
<b>3. Round decimals to the nearest hundredth using a number line (4:38)</b>	<a href="http://learnzillion.com/lessons/433-round-decimals-to-the-nearest-hundredth-using-a-number-line">http://learnzillion.com/lessons/433-round-decimals-to-the-nearest-hundredth-using-a-number-line</a>
3. Rounding Decimals (General rule) (7.49)	<a href="http://www.youtube.com/watch?v=SfdFD1bZatU">http://www.youtube.com/watch?v=SfdFD1bZatU</a>
3. Round decimals to any place (6:30)	<a href="http://learnzillion.com/lessons/3522-round-decimals-to-any-place">http://learnzillion.com/lessons/3522-round-decimals-to-any-place</a>



<b>4.3 Pages 251 - 256 Fraction-Decimal Equivalents</b>	<b>1. Writing Fractions as Decimals</b>
<b>A Fourth Grade Standard</b>	
<b>1. Writing Fractions as Decimals (6:44)</b>	<a href="http://www.youtube.com/watch?v=do_1bHld2Os">http://www.youtube.com/watch?v=do_1bHld2Os</a>
<b>1. Rewrite a fraction as a repeating decimal using division (4:47)</b>	<a href="http://learnzillion.com/lessons/485-rewrite-a-fraction-as-a-repeating-decimal-using-division">http://learnzillion.com/lessons/485-rewrite-a-fraction-as-a-repeating-decimal-using-division</a>
<b>1. Writing a Fraction as a Decimal (2:26)</b>	<a href="http://www.youtube.com/watch?v=y3lB4MrXMQI">http://www.youtube.com/watch?v=y3lB4MrXMQI</a>
<b>4.4 Pages 257 - 266 Physical Models of Factors and Multiples</b>	<b>1. Estimating Sums and Differences of Decimals 2. Adding and Subtracting Decimals</b>
<b>1. Estimating sums and differences of decimals (show to 7:15 - addition and subtraction portion only)</b>	<a href="http://www.youtube.com/watch?v=abBm6nHJo0o">http://www.youtube.com/watch?v=abBm6nHJo0o</a>
<b>2. Add multi-digit decimals using the standard algorithm (3:46)</b>	<a href="http://learnzillion.com/lessons/2502-add-multidigit-decimals-using-the-standard-algorithm">http://learnzillion.com/lessons/2502-add-multidigit-decimals-using-the-standard-algorithm</a>
<b>2. Subtract multi-digit decimals using the standard algorithm (5:46)</b>	<a href="http://learnzillion.com/lessons/2637-subtract-multidigit-decimals-using-the-standard-algorithm">http://learnzillion.com/lessons/2637-subtract-multidigit-decimals-using-the-standard-algorithm</a>
<b>1. Round decimals to the nearest whole number using a number line (3:16)</b>	<a href="http://learnzillion.com/lessons/431-round-decimals-to-the-nearest-whole-number-using-a-number-line">http://learnzillion.com/lessons/431-round-decimals-to-the-nearest-whole-number-using-a-number-line</a>
<b>1. Estimation When Adding and Subtracting Decimals (specified place)(9:42)</b>	<a href="http://www.youtube.com/watch?v=mh5QuPGN7us">http://www.youtube.com/watch?v=mh5QuPGN7us</a>
<b>4.5 Pages 267 - 278 Multiplying Decimals</b>	<b>1. Multiplying Decimals</b>
<b>1. Multiply multi-digit decimals using the standard algorithm (4:18)</b>	<a href="http://learnzillion.com/lessons/2584-multiply-multidigit-decimals-using-the-standard-algorithm">http://learnzillion.com/lessons/2584-multiply-multidigit-decimals-using-the-standard-algorithm</a>
<b>1. Multiply decimals by decimals using an area model (3:33)</b>	<a href="http://learnzillion.com/lessons/557-multiply-decimals-by-decimals-using-an-area-model">http://learnzillion.com/lessons/557-multiply-decimals-by-decimals-using-an-area-model</a>
<b>4.6 Pages 279 - 288 Long Division of Whole Numbers</b>	<b>1. Dividing Whole Numbers 2. Dividing Whole Numbers With Quotients That Have Remainders</b>
<b>1. Using Place Value in Long Division (4:59)</b>	<a href="http://www.youtube.com/watch?v=ltb_ZI5YpKc">http://www.youtube.com/watch?v=ltb_ZI5YpKc</a>
<b>1. Using The Area Model of Long Division (8:00)</b>	<a href="http://www.youtube.com/watch?v=N7boECP9BAE">http://www.youtube.com/watch?v=N7boECP9BAE</a>

<b>2. Expanded Notation Method for Long Division with Remainder (4:21)</b>	<a href="http://www.youtube.com/watch?v=kZGd_sVuTPc">http://www.youtube.com/watch?v=kZGd_sVuTPc</a>
<b>2. Division - Bucket Method - With Place Value (7:03)</b>	<a href="http://www.youtube.com/watch?v=AVat5cLIGJE">http://www.youtube.com/watch?v=AVat5cLIGJE</a>
1. Divide with three-digit divisors using the standard algorithm (6:18)	<a href="http://learnzillion.com/lessons/3480-divide-with-threedigit-divisors-using-the-standard-algorithm">http://learnzillion.com/lessons/3480-divide-with-threedigit-divisors-using-the-standard-algorithm</a>
1. Long division and why it works	<a href="http://www.homeschoolmath.net/teaching/md/long_division_why.php">http://www.homeschoolmath.net/teaching/md/long_division_why.php</a>
1. Division as repeated subtraction - introduction to long division	<a href="http://www.homeschoolmath.net/teaching/md/long_division.php">http://www.homeschoolmath.net/teaching/md/long_division.php</a>
2. Divide 4-digit numbers by 2-digit numbers using long division (with remainders) (4:15)	<a href="http://learnzillion.com/lessons/1679-divide-4digit-numbers-by-2digit-numbers-using-long-division-with-remainders">http://learnzillion.com/lessons/1679-divide-4digit-numbers-by-2digit-numbers-using-long-division-with-remainders</a>
2. Long division with the remainder as a fraction (1:24)	<a href="http://www.youtube.com/watch?v=rrxoZeFQj4g">http://www.youtube.com/watch?v=rrxoZeFQj4g</a>
<b>4.7 Pages 289 - 296                      Dividing Decimals</b>	<b>1. Dividing Decimals</b>
<b>1. Dividing decimals (9:18)</b>	<a href="http://www.youtube.com/watch?v=2K_7L44RVD8">http://www.youtube.com/watch?v=2K_7L44RVD8</a>
1. How to Divide a Decimal by a Decimal	<a href="http://www.coolmath.com/prealgebra/02-decimals/10-decimals-dividing-by-decimal-01.htm">http://www.coolmath.com/prealgebra/02-decimals/10-decimals-dividing-by-decimal-01.htm</a>
1. Multiplying and Dividing Decimals (5:00)	<a href="http://www.youtube.com/watch?v=wRIP45ZOMPc">http://www.youtube.com/watch?v=wRIP45ZOMPc</a>
<b>5.1 Pages 307 - 314                      Introduction to Ratios</b>	<b>1. Introduction to Ratios</b>
<b>1. Part to Part Ratios (3:46)</b>	<a href="http://learnzillion.com/lessons/304-express-a-ratio-in-the-simplest-form">http://learnzillion.com/lessons/304-express-a-ratio-in-the-simplest-form</a>
<b>1. Part to Part and Part to Total ratios expressed as fractions (4:15)</b>	<a href="http://learnzillion.com/lessons/584-understanding-ratios-and-fractions-by-analyzing-a-picture">http://learnzillion.com/lessons/584-understanding-ratios-and-fractions-by-analyzing-a-picture</a>
<b>5.2 Pages 315 - 322                      Ratio Representations</b>	<b>1. Comparing Ratios</b>
<b>1. Compare ratios using tables and percents (4:36)</b>	<a href="http://learnzillion.com/lessons/595-compare-ratios-using-tables-and-percents">http://learnzillion.com/lessons/595-compare-ratios-using-tables-and-percents</a>
<b>1. Compare ratios using a ratio table (4:56)</b>	<a href="http://learnzillion.com/lessons/321-compare-ratios-using-a-ratio-table">http://learnzillion.com/lessons/321-compare-ratios-using-a-ratio-table</a>

<b>5.3 Pages 323 - 332 Writing Equivalent Ratios</b>	<b>1. Writing Rates</b> <b>2. Scaling up and Scaling Down</b>
<b>1. Understand Rates as a Type of Ratio (5:55)</b>	<a href="http://learnzillion.com/lessons/839-understand-rates-as-a-type-of-ratio">http://learnzillion.com/lessons/839-understand-rates-as-a-type-of-ratio</a>
<b>2. Scaling up and down by finding equivalent ratios (4:08)</b>	<a href="http://learnzillion.com/lessons/315-find-equivalent-ratios">http://learnzillion.com/lessons/315-find-equivalent-ratios</a>
<b>2. Find equivalent ratios using ratio tables (3:56)</b>	<a href="http://learnzillion.com/lessons/317-find-equivalent-ratios-using-ratio-tables">http://learnzillion.com/lessons/317-find-equivalent-ratios-using-ratio-tables</a>
<b>2. Ratios - Scaling Up and Down</b>	<a href="http://www.mathsisfun.com/numbers/ratio.html">http://www.mathsisfun.com/numbers/ratio.html</a>
<b>5.4 Pages 333 - 340 Modeling Ratios</b>	<b>1. Drawing Models to Solve Problems Involving Ratios</b> <b>2. Drawing Double Number Line to Solve Problems Involving Ratios</b>
<b>1. Payback - ratio of money between 3 people (5:53)</b>	<a href="https://www.youtube.com/watch?v=DAD0UVV0gvo">https://www.youtube.com/watch?v=DAD0UVV0gvo</a>
<b>1. The ratio of length, width and height of a box (4:27)</b>	<a href="https://www.youtube.com/watch?v=aWHBhR_qtDg">https://www.youtube.com/watch?v=aWHBhR_qtDg</a>
<b>1. The ratio of two sets of blocks (5:06)</b>	<a href="http://www.youtube.com/watch?v=XaHftZe-zck">http://www.youtube.com/watch?v=XaHftZe-zck</a>
<b>2. Solve ratio problems using double number lines (4:06)</b>	<a href="http://learnzillion.com/lessons/588-solve-ratio-problems-using-double-number-lines">http://learnzillion.com/lessons/588-solve-ratio-problems-using-double-number-lines</a>
<b>2. Percents and Double Number Lines (9:13)</b>	<a href="http://www.youtube.com/watch?v=a1fAOB_Qlgc">http://www.youtube.com/watch?v=a1fAOB_Qlgc</a>
<b>5.5 Pages 341 - 352 Using Tables to Represent Equivalent Ratios</b>	<b>1. Completing Ratio Tables</b>
<b>1. Solve ratio problems using tables and addition (3:18)</b>	<a href="http://learnzillion.com/lessons/586-solve-ratio-problems-using-tables-and-addition">http://learnzillion.com/lessons/586-solve-ratio-problems-using-tables-and-addition</a>
<b>1. Find equivalent ratios: using ratio tables (3:56)</b>	<a href="http://learnzillion.com/lessons/317-find-equivalent-ratios-using-ratio-tables">http://learnzillion.com/lessons/317-find-equivalent-ratios-using-ratio-tables</a>
<b>1. Solve missing values in ratio problems using a table (6:59)</b>	<a href="http://learnzillion.com/lessons/608-solve-missing-values-in-ratio-problems-using-a-table">http://learnzillion.com/lessons/608-solve-missing-values-in-ratio-problems-using-a-table</a>
<b>5.6 Pages 353 - 362 Using Graphs to Represent Ratios</b>	<b>1. Graphing Equivalent Ratios</b>
<b>1. Graph ratios on a coordinate plane using values from a table. (5:53)</b>	<a href="http://learnzillion.com/lessons/611-graph-ratios-using-a-table">http://learnzillion.com/lessons/611-graph-ratios-using-a-table</a>
<b>1. Solve ratio problems by graphing on a coordinate plane (4:52)</b>	<a href="http://learnzillion.com/lessons/590-solve-ratio-problems-by-graphing-on-a-coordinate-plane">http://learnzillion.com/lessons/590-solve-ratio-problems-by-graphing-on-a-coordinate-plane</a>

<b>5.7 Pages 363 - 381 Using Multiple Ratio Representations to Solve Problems</b>	<b>1. Reading and Interpreting Ratios From Graphs</b>
<b>1. Understanding Graphs of Proportions (1:57)</b>	<a href="http://www.youtube.com/watch?v=qCABjBXcBqo">http://www.youtube.com/watch?v=qCABjBXcBqo</a>
<b>1. Proportional Relationships and Graphs (7:32)</b>	<a href="http://www.youtube.com/watch?v=O8UcPqfTLio">http://www.youtube.com/watch?v=O8UcPqfTLio</a>
<b>5.8 Pages 371 - 381 Introduction to Unit Rates</b>	<b>1. Unit Rates</b>
<b>1. How Do You Solve a Word Problem Using Unit Rates?</b>	<a href="http://www.virtualnerd.com/pre-algebra/ratios-proportions/rates-unit-rates/rate-unit-rate-examples/rates-word-problem-solution">http://www.virtualnerd.com/pre-algebra/ratios-proportions/rates-unit-rates/rate-unit-rate-examples/rates-word-problem-solution</a>
<b>1. Find the best deal by comparing unit rates (2:48)</b>	<a href="http://learnzillion.com/lessons/868-find-the-best-deal-by-comparing-unit-rates">http://learnzillion.com/lessons/868-find-the-best-deal-by-comparing-unit-rates</a>
<b>1. Using unit rates to interpret scale maps and scale models (4:36)</b>	<a href="http://learnzillion.com/lessons/646-using-unit-rates-to-interpret-scale-maps-and-scale-models">http://learnzillion.com/lessons/646-using-unit-rates-to-interpret-scale-maps-and-scale-models</a>
<b>1. Define unit rate using double number line (5:20)</b>	<a href="http://learnzillion.com/lessons/842-define-unit-rate-using-double-number-line">http://learnzillion.com/lessons/842-define-unit-rate-using-double-number-line</a>
<b>1. Understand rates as a type of ratio (5:55)</b>	<a href="http://learnzillion.com/lessons/839-understand-rates-as-a-type-of-ratio">http://learnzillion.com/lessons/839-understand-rates-as-a-type-of-ratio</a>
<b>1. Solve rate and ratio word problems (4:33)</b>	<a href="http://learnzillion.com/lessons/314-solve-rate-and-ratio-word-problems">http://learnzillion.com/lessons/314-solve-rate-and-ratio-word-problems</a>
<b>6.1 Pages 389 - 402 Introduction to Percents</b>	<b>1. Connect Percents, ratios, fractions, decimals</b>
<b>Not a Sixth Grade Standard</b>	
<b>1. Representing a number as a decimal, percent, and fraction (3:32)</b>	<a href="http://www.khanacademy.org/math/arithmetic/decimals/percent_tutorial/v/representing-a-number-as-a-decimal-percent-and-fraction">http://www.khanacademy.org/math/arithmetic/decimals/percent_tutorial/v/representing-a-number-as-a-decimal-percent-and-fraction</a>
<b>1. Representing a number as a decimal, percent, and fraction (5:25)</b>	<a href="http://www.khanacademy.org/math/arithmetic/decimals/percent_tutorial/v/representing-a-number-as-a-decimal-percent-and-fraction-2">http://www.khanacademy.org/math/arithmetic/decimals/percent_tutorial/v/representing-a-number-as-a-decimal-percent-and-fraction-2</a>
<b>1. Convert fractions into percents (3:14)</b>	<a href="http://learnzillion.com/lessons/338-convert-fractions-into-percents">http://learnzillion.com/lessons/338-convert-fractions-into-percents</a>
<b>1. Convert percents into fractions (4:06)</b>	<a href="http://learnzillion.com/lessons/340-convert-percents-into-fractions">http://learnzillion.com/lessons/340-convert-percents-into-fractions</a>
<b>1. Define percents as ratios (4:28)</b>	<a href="http://learnzillion.com/lessons/593-define-percents-as-ratios">http://learnzillion.com/lessons/593-define-percents-as-ratios</a>
<b>1. Convert decimals into percents and vice versa (4:59)</b>	<a href="http://learnzillion.com/lessons/339-convert-decimals-into-percents-and-vice-versa">http://learnzillion.com/lessons/339-convert-decimals-into-percents-and-vice-versa</a>

<b>6.2 Pages 403 - 416</b> <b>Estimating Percents</b>	<b>1. Estimating Percents with Models</b> <b>2. Estimating Percents using Benchmarks</b>
<b>Not a Sixth Grade Standard</b>	
<b>1. Describing the meaning of percent (3:01)</b>	<a href="http://www.khanacademy.org/math/arithmetic/decimals/percent_tutorial/v/describing-the-meaning-of-percent">http://www.khanacademy.org/math/arithmetic/decimals/percent_tutorial/v/describing-the-meaning-of-percent</a>
<b>1. Visualize ratios and percents using 10x10 grids (4:08)</b>	<a href="http://learnzillion.com/lessons/594-visualize-percents-using-10x10-grids">http://learnzillion.com/lessons/594-visualize-percents-using-10x10-grids</a>
<b>1. Calculate Percentage of a Shaded Area (2:12)</b>	<a href="http://www.youtube.com/watch?v=As510m-dNa4">http://www.youtube.com/watch?v=As510m-dNa4</a>
<b>2. Number Sense - Estimating with Percentages (15:08)</b>	<a href="http://www.youtube.com/watch?v=QZuOoIqeYAc">http://www.youtube.com/watch?v=QZuOoIqeYAc</a>
<b>6.3 Pages 417 - 432</b> <b>Determining the Percent of a Number</b>	<b>1. Determine the Percent of a Number</b>
<b>1. Math Antics - Finding A Percent Of A Number (7:32)</b>	<a href="http://www.youtube.com/watch?v=rR95Cbcjzus">http://www.youtube.com/watch?v=rR95Cbcjzus</a>
<b>1. Taking percentages of a number using decimals (9:56)</b>	<a href="http://www.khanacademy.org/math/algebra/solving-linear-equations-and-inequalities/old-school-equations/v/taking-percentages">http://www.khanacademy.org/math/algebra/solving-linear-equations-and-inequalities/old-school-equations/v/taking-percentages</a>
<b>1. Define percents as ratios (4:28)</b>	<a href="http://learnzillion.com/lessons/593-define-percents-as-ratios">http://learnzillion.com/lessons/593-define-percents-as-ratios</a>
<b>1. Calculate percent of a number using a proportion model (5:39)</b>	<a href="http://learnzillion.com/lessons/3458-calculate-percent-of-a-number-using-a-proportion-model">http://learnzillion.com/lessons/3458-calculate-percent-of-a-number-using-a-proportion-model</a>
<b>6.4 Pages 433 - 444</b> <b>Determining the Part, Whole or Percent of Percent Problems</b>	<b>1. Determining Parts, Wholes and Percents</b>
<b>1. Math Antics - Percents And Equivalent Fractions (8:37)</b>	<a href="http://www.youtube.com/watch?v=kmVfZ9o-2gg">http://www.youtube.com/watch?v=kmVfZ9o-2gg</a>
<b>1. Find the total when the percent and part are known (4:13)</b>	<a href="http://learnzillion.com/lessons/597-find-the-total-when-the-percent-and-part-are-known">http://learnzillion.com/lessons/597-find-the-total-when-the-percent-and-part-are-known</a>
<b>1. Find the part when the percent and total are known (4:29)</b>	<a href="http://learnzillion.com/lessons/596-find-the-part-when-the-percent-and-total-are-known">http://learnzillion.com/lessons/596-find-the-part-when-the-percent-and-total-are-known</a>
<b>1. Finding the Whole Given the Part &amp; Percent (5:20)</b>	<a href="http://www.youtube.com/watch?v=Kyk2j_Ecufc">http://www.youtube.com/watch?v=Kyk2j_Ecufc</a>
<b>1. Calculating Percent (9:58)</b>	<a href="http://www.youtube.com/watch?v=TVnTmFTrEoY">http://www.youtube.com/watch?v=TVnTmFTrEoY</a>

<b>6.5 Pages 445 - 454 Using Percents in Real-World Situations</b>	<b>1. Calculating the Sale Price: Discounts, Increases 2. Calculating Sales Tax and Tips 3. Calculating Commission</b>
<b>SKIP - NOT A 6TH GRADE STANDARD (7th Grade)</b>	
<b>7.1 Pages 461 - 472 Order of Operations</b>	<b>1. Evaluating Multiple Expressions with Addition, Subtraction, Multiplication and Division 2. Evaluating Numerical Expressions Involving Exponents and Parentheses</b>
<b>1. &amp; 2. Evaluate a numerical expression using Order of Operations (5:22)</b>	<a href="http://learnzillion.com/lessons/463-evaluate-a-numerical-expression-using-order-of-operations">http://learnzillion.com/lessons/463-evaluate-a-numerical-expression-using-order-of-operations</a>
<b>1. &amp; 2. Solve multi-step problems using order of operations (4:51)</b>	<a href="http://learnzillion.com/lessons/990-solve-multistep-problems-using-order-of-operations">http://learnzillion.com/lessons/990-solve-multistep-problems-using-order-of-operations</a>
<b>2. Evaluate numerical expressions by using whole-number exponents (2:50)</b>	<a href="http://learnzillion.com/lessons/461-evaluate-numerical-expressions-by-using-wholenumber-exponents">http://learnzillion.com/lessons/461-evaluate-numerical-expressions-by-using-wholenumber-exponents</a>
<b>7.2 Pages 473 - 482 Exploring Squares, Cubes, and Roots</b>	<b>Exploring Squares, Cubes, and Roots</b>
<b>SKIP - NOT A 6TH GRADE STANDARD ( Square Roots and Cube Roots are a 7th Grade Standard)</b>	
<b>7.3 Pages 483 - 492 Understanding Variables</b>	<b>1. Write Algebraic Expressions and Equations 2. Using Algebraic Expressions</b>
<b>1. Read and write an algebraic expression containing a variable (3:55)</b>	<a href="http://learnzillion.com/lessons/465-read-and-write-an-algebraic-expression-containing-a-variable">http://learnzillion.com/lessons/465-read-and-write-an-algebraic-expression-containing-a-variable</a>
<b>1. Read and write algebraic expressions using parentheses (3:47)</b>	<a href="http://learnzillion.com/lessons/467-read-and-write-algebraic-expressions-using-parentheses">http://learnzillion.com/lessons/467-read-and-write-algebraic-expressions-using-parentheses</a>
<b>2. Evaluate one-step algebraic expressions by substitution (4:49)</b>	<a href="http://learnzillion.com/lessons/470-write-and-evaluate-algebraic-expressions-using-formulas">http://learnzillion.com/lessons/470-write-and-evaluate-algebraic-expressions-using-formulas</a>

<b>7.4 Pages 493 - 500 Writing Algebraic Expressions</b>	<b>1. Evaluating Algebraic Expressions</b>
<b>1. Read and write an algebraic expression containing a variable (3:55)</b>	<a href="http://learnzillion.com/lessons/465-read-and-write-an-algebraic-expression-containing-a-variable">http://learnzillion.com/lessons/465-read-and-write-an-algebraic-expression-containing-a-variable</a>
<b>1. Read and write algebraic expressions using parentheses (3:47)</b>	<a href="http://learnzillion.com/lessons/467-read-and-write-algebraic-expressions-using-parentheses">http://learnzillion.com/lessons/467-read-and-write-algebraic-expressions-using-parentheses</a>
<b>2. Evaluate multiple step algebraic expressions by substitution (5:17)</b>	<a href="http://learnzillion.com/lessons/469-evaluate-multiple-step-algebraic-expressions-by-substitution">http://learnzillion.com/lessons/469-evaluate-multiple-step-algebraic-expressions-by-substitution</a>
<b>2. Write and evaluate algebraic expressions using formulas (4:49)</b>	<a href="http://learnzillion.com/lessons/470-write-and-evaluate-algebraic-expressions-using-formulas">http://learnzillion.com/lessons/470-write-and-evaluate-algebraic-expressions-using-formulas</a>
<b>7.5 Pages 501 - 510 Multiple Representations of Algebraic Expressions</b>	<b>1. Multiple Representations of Algebraic Expressions</b>
<b>Cannot Find Requirement for Multiple Representation in 6th Grade Standard</b>	
<b>1. Write multi-step algebraic expressions using a table (4:05)</b>	<a href="http://learnzillion.com/lessons/2868-write-multistep-algebraic-expressions">http://learnzillion.com/lessons/2868-write-multistep-algebraic-expressions</a>
<b>1. Write a complex algebraic expression for planting flowers using an area model (4:56)</b>	<a href="http://learnzillion.com/lessons/3018-write-a-complex-algebraic-expression-for-planting-flowers-using-an-area-model">http://learnzillion.com/lessons/3018-write-a-complex-algebraic-expression-for-planting-flowers-using-an-area-model</a>
<b>1. Show the relationship between variables using a graph (5:12)</b>	<a href="http://learnzillion.com/lessons/3545-show-the-relationship-between-variables-using-a-graph">http://learnzillion.com/lessons/3545-show-the-relationship-between-variables-using-a-graph</a>
<b>1. Write a complex algebraic expression for paying employees using an area model (5:09)</b>	<a href="http://learnzillion.com/lessons/2928-write-a-complex-algebraic-expression-for-paying-employees-using-an-area-model">http://learnzillion.com/lessons/2928-write-a-complex-algebraic-expression-for-paying-employees-using-an-area-model</a>
<b>7.6 Pages 511 - 520 Using Multiple Representations of Problems</b>	<b>1. Using Multiple Representations to Analyze and Solve Problems</b>
<b>Cannot Find Requirement for Multiple Representation in 6th Grade Standard</b>	
<b>1. Relate variables using an equation (4:54)</b>	<a href="http://learnzillion.com/lessons/3548-relate-variables-using-an-equation">http://learnzillion.com/lessons/3548-relate-variables-using-an-equation</a>
<b>1. Create equivalent algebraic representations (table, graph, equation, word problem). (4:46)</b>	<a href="http://learnzillion.com/lessons/1659-create-equivalent-algebraic-representations-table-graph-equation-word-problem">http://learnzillion.com/lessons/1659-create-equivalent-algebraic-representations-table-graph-equation-word-problem</a>
<b>1. Interpolation and Extrapolation: Estimating Values from a Graph (8:58)</b>	<a href="http://www.youtube.com/watch?v=Y9HG8q_NuhU">http://www.youtube.com/watch?v=Y9HG8q_NuhU</a>
<b>8.1 Pages 531 - 538 Relationships Between Quantities</b>	<b>1. Predict the next term in a sequence 2. Write an algebraic term to represent a sequence</b>

**SKIP - NOT A 6TH GRADE STANDARD (High School Standard)**

<p><b>8.2 Pages 539 - 548      Simplifying Algebraic Expressions</b></p>	<p><b>1. Use the Associative and Commutative Properties of Addition and Multiplication to simplify equations</b>  <b>2. Use Algebraic Tiles to simplify expressions</b></p>
<p>1. Combine like terms using commutative and associative properties (5:17)</p>	<p><a href="http://learnzillion.com/lessons/3341-combine-like-terms-using-commutative-and-associative-properties">http://learnzillion.com/lessons/3341-combine-like-terms-using-commutative-and-associative-properties</a></p>
<p>1. Explain addition using the commutative and associative properties (5:01)</p>	<p><a href="http://learnzillion.com/lessons/3006-explain-addition-using-the-commutative-and-associative-properties">http://learnzillion.com/lessons/3006-explain-addition-using-the-commutative-and-associative-properties</a></p>
<p>1. Solve multiplication problems using the commutative and associative properties (3:23)</p>	<p><a href="http://learnzillion.com/lessons/701-solve-multiplication-problems-using-the-commutative-and-associative-properties">http://learnzillion.com/lessons/701-solve-multiplication-problems-using-the-commutative-and-associative-properties</a></p>
<p>2. Simplifying algebraic expressions using Algebra Tiles (6:10)</p>	<p><a href="http://www.youtube.com/watch?v=EIQbGPW-A">http://www.youtube.com/watch?v=EIQbGPW-A</a></p>
<p>1. Using the Distributive, Associative, and Commutative Properties (skip the Distributive Property - show 1:07 to 5:26)</p>	<p><a href="http://www.youtube.com/watch?v=T_J-s4rkLE">http://www.youtube.com/watch?v=T_J-s4rkLE</a></p>
<p><b>8.3 Pages 549 - 562      Using the Distributive Property to Simplify Algebraic Expressions</b></p>	<p><b>1. Model the Distributive Property using Algebra Tiles</b>  <b>2. Simplify Algebraic expressions using the Distributive property of Multiplication</b>  <b>3. Simplify Algebraic expressions using the Distributive property of Division</b></p>
<p>1. Distributive Property with expressions using algebra tiles (10:43)</p>	<p><a href="http://www.youtube.com/watch?v=SvLZO8QsdvY">http://www.youtube.com/watch?v=SvLZO8QsdvY</a></p>
<p>2. Simplify algebraic expressions by applying the distributive property (5:48)</p>	<p><a href="http://learnzillion.com/lessons/3277-simplify-algebraic-expressions-by-applying-the-distributive-property">http://learnzillion.com/lessons/3277-simplify-algebraic-expressions-by-applying-the-distributive-property</a></p>
<p>2. Using the Distributive Property to Simplify Expressions (4:28)</p>	<p><a href="http://www.youtube.com/watch?v=Z-YnLCDIEK4">http://www.youtube.com/watch?v=Z-YnLCDIEK4</a></p>
<p>3. Distributive Property of Division (6:12)</p>	<p><a href="http://www.youtube.com/watch?v=bhUPRKIMOGc">http://www.youtube.com/watch?v=bhUPRKIMOGc</a></p>
<p>1. Modeling distributive property with tiles (6:47)</p>	<p><a href="http://www.youtube.com/watch?v=KcljwzhK8DM">http://www.youtube.com/watch?v=KcljwzhK8DM</a></p>
<p>1. Distributive property division to perform long division (8:21)</p>	<p><a href="http://www.youtube.com/watch?v=nDPsUyM5Zx0">http://www.youtube.com/watch?v=nDPsUyM5Zx0</a></p>
<p>2. Using the Distributive Property to Simplify Expressions (4:27)</p>	<p><a href="http://www.youtube.com/watch?v=Z-YnLCDIEK4">http://www.youtube.com/watch?v=Z-YnLCDIEK4</a></p>
<p>3. Write equivalent expressions using the Distributive Property of Multiplication over Addition (4:38)</p>	<p><a href="http://learnzillion.com/lessons/649-write-equivalent-expressions-using-the-distributive-property-of-multiplication-over-addition">http://learnzillion.com/lessons/649-write-equivalent-expressions-using-the-distributive-property-of-multiplication-over-addition</a></p>



<b>8.4 Pages 563 - 574 Multiple Representations of Equivalent Expressions</b>	<b>1. Determine if two expressions are equivalent using a table or graph 2. Writing and solving an expression using the distributive property</b>
<b>Cannot Find Requirement for Multiple Representation in 6th Grade Standard</b>	
<b>1. Justify equivalent expressions (3:22)</b>	<a href="http://learnzillion.com/lessons/2360-justify-equivalent-expressions">http://learnzillion.com/lessons/2360-justify-equivalent-expressions</a>
<b>1. Create equivalent expressions using diagrams (5:06)</b>	<a href="http://learnzillion.com/lessons/2335-create-equivalent-expressions-using-diagrams">http://learnzillion.com/lessons/2335-create-equivalent-expressions-using-diagrams</a>
<b>1. Write equivalent expressions by using the Distributive Property of Multiplication over Addition (4:48)</b>	<a href="http://learnzillion.com/lessons/649-write-equivalent-expressions-using-the-distributive-property-of-multiplication-over-addition">http://learnzillion.com/lessons/649-write-equivalent-expressions-using-the-distributive-property-of-multiplication-over-addition</a>
<b>1. Apply the distributive property by using diagrams (4:20)</b>	<a href="http://learnzillion.com/lessons/2454-apply-distributive-property-using-diagrams">http://learnzillion.com/lessons/2454-apply-distributive-property-using-diagrams</a>
<b>2. Solve an equation by using the distributive property. (5:00)</b>	<a href="http://learnzillion.com/lessons/2834-solve-an-equation-using-the-distributive-property">http://learnzillion.com/lessons/2834-solve-an-equation-using-the-distributive-property</a>
<b>2. Write equivalent expressions by using the distributive property of Multiplication over Addition (5:01)</b>	<a href="http://learnzillion.com/lessons/374-write-equivalent-expressions-using-distributive-property">http://learnzillion.com/lessons/374-write-equivalent-expressions-using-distributive-property</a>
<b>8.5 Pages 575 - 587 Combining Like Terms</b>	<b>1. Combining like terms using algebra tiles</b>
<b>1. Algebra Tiles and Combining Like Terms (ITERATIVE TUTORIAL)</b>	<a href="http://courses.dcs.its.utexas.edu/speedway-files/highschool/ASKME/shared/template.php?moviePath=../ALG-1A-04321/flash/unit03/u03tu06algeTileComb/&amp;movieName=u03tu06algeTileComb.swf">http://courses.dcs.its.utexas.edu/speedway-files/highschool/ASKME/shared/template.php?moviePath=../ALG-1A-04321/flash/unit03/u03tu06algeTileComb/&amp;movieName=u03tu06algeTileComb.swf</a>
<b>1. Combine like terms with algebra tiles #1 (4:50)</b>	<a href="http://www.youtube.com/watch?v=1r7sHhbooAA">http://www.youtube.com/watch?v=1r7sHhbooAA</a>
<b>1. Combine like terms with algebra tiles #2 (PowerPoint - Run animation from slide 8)</b>	<a href="http://www.lcusd.net/cms/lib04/CA01000868/Centricity/Domain/356/Combining%20Like%20Terms%20Algebra%20Tiles%20ppt.ppt">http://www.lcusd.net/cms/lib04/CA01000868/Centricity/Domain/356/Combining%20Like%20Terms%20Algebra%20Tiles%20ppt.ppt</a>
<b>1. MANIPULATIVE - Use algebra tiles to simplify expressions</b>	<a href="http://media.mivu.org/mvu_pd/a4a/homework/applets_simplifying.html#top">http://media.mivu.org/mvu_pd/a4a/homework/applets_simplifying.html#top</a>
<b>1. Algebra Tiles to model combining like terms and adding and subtracting polynomials (14:22)</b>	<a href="http://www.youtube.com/watch?v=L4E2PnUzPXU">http://www.youtube.com/watch?v=L4E2PnUzPXU</a>
<b>1. The Basics of Using Algebra Tiles</b>	<a href="http://www.trianglehighfive.org/pdf/005_algebra_tiles.pdf">http://www.trianglehighfive.org/pdf/005_algebra_tiles.pdf</a>
<b>8.6 Pages 587 - 594 Using Algebraic Expressions to Analyze and Solve Problems</b>	<b>1. Using Algebraic Expressions to Analyze and Solve Problems</b>
<b>1. Solve real-world problems: using multiplication and division equations (5:01)</b>	<a href="http://learnzillion.com/lessons/169-solve-realworld-problems-using-multiplication-and-division-equations">http://learnzillion.com/lessons/169-solve-realworld-problems-using-multiplication-and-division-equations</a>

1. Solve addition and subtraction problems: using 1-step equations (5:02)	<a href="http://learnzillion.com/lessons/166-solve-addition-and-subtraction-problems-using-1step-equations">http://learnzillion.com/lessons/166-solve-addition-and-subtraction-problems-using-1step-equations</a>
1. Write addition and subtraction problems as algebraic expressions (4:49)	<a href="http://learnzillion.com/lessons/167-write-addition-and-subtraction-problems-as-algebraic-expressions">http://learnzillion.com/lessons/167-write-addition-and-subtraction-problems-as-algebraic-expressions</a>
1. Write an algebraic equation from a real-world scenario using multiplication and division (3:03)	<a href="http://learnzillion.com/lessons/1504-write-an-algebraic-equation-from-a-realworld-scenario-using-multiplication-and-division">http://learnzillion.com/lessons/1504-write-an-algebraic-equation-from-a-realworld-scenario-using-multiplication-and-division</a>
1. Algebra - Solving Two-Step Equations: 6th grade math (11:52)	<a href="http://www.youtube.com/watch?v=AvzKc0KbDC0">http://www.youtube.com/watch?v=AvzKc0KbDC0</a>
<b>9.1 Pages 605 - 614 Inequalities</b>	<b>1. Graphing Inequalities on a Number Line</b>
1. Represent the solution set of an inequality using a number line (3:01)	<a href="http://learnzillion.com/lessons/1506-represent-the-solution-set-of-an-equality-using-a-number-line">http://learnzillion.com/lessons/1506-represent-the-solution-set-of-an-equality-using-a-number-line</a>
1. Understand the relationship between two numbers using a number line (4:40)	<a href="http://learnzillion.com/lessons/1136-understand-the-relationship-between-two-numbers-using-a-number-line">http://learnzillion.com/lessons/1136-understand-the-relationship-between-two-numbers-using-a-number-line</a>
1. Write inequalities given a number line representation (2:32)	<a href="http://learnzillion.com/lessons/1507-write-inequalities-given-a-number-line-representation">http://learnzillion.com/lessons/1507-write-inequalities-given-a-number-line-representation</a>
1. Writing, Solving, and Graphing Inequalities in One Variable	<a href="http://www.montereyinstitute.org/courses/Algebra1/COURSE_TEXT_RESOURCE/U05_L1_T1_text_final.html">http://www.montereyinstitute.org/courses/Algebra1/COURSE_TEXT_RESOURCE/U05_L1_T1_text_final.html</a>
<b>9.2 Pages 614 - 624 Solving One-Step Equations Using addition and Subtraction</b>	<b>1. Use Models to Represent One-Step Equations 2. Using Inverse Operations to Solve One-Step Equations</b>
1. Solve addition and subtraction problems: using 1-step equations (5:02)	<a href="http://learnzillion.com/student/lessons/166">http://learnzillion.com/student/lessons/166</a>
1. MANIPULATIVE : Model and solve algebraic equations using a balance model	<a href="http://www.mathplayground.com/algebraequations.html">http://www.mathplayground.com/algebraequations.html</a>
2. Solve algebraic equations involving addition and subtraction using inverse operations (4:30)	<a href="http://learnzillion.com/lessons/1503-solve-algebraic-equations-involving-addition-and-subtraction-using-inverse-operations">http://learnzillion.com/lessons/1503-solve-algebraic-equations-involving-addition-and-subtraction-using-inverse-operations</a>
2. Solve division of fractions problems using reciprocals (4:58)	<a href="http://learnzillion.com/lessons/1323-solve-division-of-fractions-problems-using-reciprocals">http://learnzillion.com/lessons/1323-solve-division-of-fractions-problems-using-reciprocals</a>
1. The Addition Property of Equality. (6:35)	<a href="http://www.virtualnerd.com/algebra-1/linear-equations-solve/one-step/equality-properties/addition-property-equality-definition">http://www.virtualnerd.com/algebra-1/linear-equations-solve/one-step/equality-properties/addition-property-equality-definition</a>

<b>9.3 Pages 625 - 635 Solving One-Step Equations Using Multiplication and Division</b>	<b>1. Using Inverse Operations to Solve One-Step Equations</b>
<b>1. Solve multiplication and division problems: using 1-step equations (5:01)</b>	<a href="http://learnzillion.com/student/lessons/168">http://learnzillion.com/student/lessons/168</a>
<b>1. Use inverse operations to solve equations (4:42)</b>	<a href="http://learnzillion.com/lessons/147-use-inverse-operations-to-solve-equations">http://learnzillion.com/lessons/147-use-inverse-operations-to-solve-equations</a>
<b>9.4 Pages 635 - 642 Representing Situations in Multiple Ways</b>	<b>1. Representing Situations in Multiple Ways</b>
<b>Cannot Find Requirement for Multiple Representation in 6th Grade Standard</b>	
<b>1. Modeling with Tables, Graphs, and Equations</b>	<a href="http://ferrismath.com/int1/ModelingwithTabGraEq.htm">http://ferrismath.com/int1/ModelingwithTabGraEq.htm</a>
<b>1. Represent Functions using Model, Equations, Tables and Graphs</b>	<a href="http://www.google.com/url?sa=t&amp;rct=j&amp;q=&amp;esrc=s&amp;source=web&amp;cd=3&amp;ved=0CE4QFjAC&amp;url=http%3A%2F%2Fwww.mathslideshow.com%2FAlg1%2FMLLesson1-8.ppt&amp;ei=WvffUprzAsjnoAT78IKQBg&amp;usg=AFQjCNERrsZCWNpGP9HlxHhz7bYo1NLLPg&amp;bvm=bv.59568121,d.cGU">http://www.google.com/url?sa=t&amp;rct=j&amp;q=&amp;esrc=s&amp;source=web&amp;cd=3&amp;ved=0CE4QFjAC&amp;url=http%3A%2F%2Fwww.mathslideshow.com%2FAlg1%2FMLLesson1-8.ppt&amp;ei=WvffUprzAsjnoAT78IKQBg&amp;usg=AFQjCNERrsZCWNpGP9HlxHhz7bYo1NLLPg&amp;bvm=bv.59568121,d.cGU</a>
<b>9.5 Pages 643 - 652 Using Multiple Representations to Solve Problems</b>	<b>1. Using Multiple Representations to Solve Problems</b>
<b>Cannot Find Requirement for Multiple Representation in 6th Grade Standard</b>	
<b>1. Relate independent and dependent variables using a function table (4:55)</b>	<a href="http://learnzillion.com/lessons/3565-relate-independent-and-dependent-variables-using-a-function-table">http://learnzillion.com/lessons/3565-relate-independent-and-dependent-variables-using-a-function-table</a>
<b>1. Relate Variables using an Equation (4:54)</b>	<a href="http://learnzillion.com/lessons/3548-relate-variables-using-an-equation">http://learnzillion.com/lessons/3548-relate-variables-using-an-equation</a>
<b>1. Show the relationship between variables using a graph (5:12)</b>	<a href="http://learnzillion.com/lessons/3545-show-the-relationship-between-variables-using-a-graph">http://learnzillion.com/lessons/3545-show-the-relationship-between-variables-using-a-graph</a>

<b>9.6 Pages 653 - 662 The Many Uses of Variables in Mathematics</b>	<b>1. Examining the many uses of Variables in Mathematics</b>
<b>1. Variables to represent values that change (4:37)</b>	<a href="http://learnzillion.com/lessons/2846-understand-how-variables-are-used">http://learnzillion.com/lessons/2846-understand-how-variables-are-used</a>
<b>1. Variables used in Formulas (4:49)</b>	<a href="http://learnzillion.com/lessons/470-write-and-evaluate-algebraic-expressions-using-formulas">http://learnzillion.com/lessons/470-write-and-evaluate-algebraic-expressions-using-formulas</a>
<b>1. Variables to define the properties of addition and multiplication - example: The Distributive Property (4:55)</b>	<a href="http://learnzillion.com/lessons/3411-simplify-algebraic-expressions-by-combining-like-terms-and-applying-the-distributive-property">http://learnzillion.com/lessons/3411-simplify-algebraic-expressions-by-combining-like-terms-and-applying-the-distributive-property</a>
<b>1. Variable as an Unknown Quantity (3:18)</b>	<a href="http://www.khanacademy.org/math/algebra/introduction-to-algebra/variable-and-expressions/v/what-is-a-variable">http://www.khanacademy.org/math/algebra/introduction-to-algebra/variable-and-expressions/v/what-is-a-variable</a>
<b>9.7 Pages 663 - 670 Independent and Dependent Variables</b>	<b>1. Identifying and Defining Independent and Dependent Variables and Quantities</b>
<b>1. Identify independent and dependent variables (4:07)</b>	<a href="http://learnzillion.com/lessons/3484-identify-independent-and-dependent-variables">http://learnzillion.com/lessons/3484-identify-independent-and-dependent-variables</a>
<b>1. Identify variables and their relationship in a real-world situation (2:27)</b>	<a href="http://learnzillion.com/lessons/1654-identify-variables-and-their-relationship-in-a-realworld-situation">http://learnzillion.com/lessons/1654-identify-variables-and-their-relationship-in-a-realworld-situation</a>
<b>1. Identify variables and their relationship in a graph (3:36)</b>	<a href="http://learnzillion.com/lessons/1656-identify-variables-and-their-relationship-in-a-graph">http://learnzillion.com/lessons/1656-identify-variables-and-their-relationship-in-a-graph</a>
<b>10.1 Pages 681 - 690 Introduction to Negative Integers</b>	<b>1. Solving Problems where Quantities Increase and Decrease 2. Plotting Integers on a Number Line</b>
<b>1. Understanding positive and negative numbers using elevations (3:11)</b>	<a href="http://learnzillion.com/lessons/697-understanding-positive-and-negative-numbers-using-elevations">http://learnzillion.com/lessons/697-understanding-positive-and-negative-numbers-using-elevations</a>
<b>1. Understanding positive and negative numbers with money (3:49)</b>	<a href="http://learnzillion.com/lessons/699-understanding-positive-and-negative-numbers-with-money">http://learnzillion.com/lessons/699-understanding-positive-and-negative-numbers-with-money</a>
<b>1. Understanding positive and negative numbers with temperature (3:18)</b>	<a href="http://learnzillion.com/lessons/698-understanding-positive-and-negative-numbers-with-temperature">http://learnzillion.com/lessons/698-understanding-positive-and-negative-numbers-with-temperature</a>
<b>2. Negative numbers on a number line (3 :39 )</b>	<a href="http://learnzillion.com/lessons/480-understand-negative-numbers-using-a-number-line">http://learnzillion.com/lessons/480-understand-negative-numbers-using-a-number-line</a>

<b>10.2 Pages 691 - 698</b>	<b>Number Systems</b>	<b>1. Classifying Numbers</b> <b>2. Understanding the Density Property</b>
1. Sets of Numbers (show to 9:23) - Discusses irrational numbers after that.		<a href="http://www.youtube.com/watch?v=9orS7coe2WI">http://www.youtube.com/watch?v=9orS7coe2WI</a>
1. The Real Number System (3:06)		<a href="http://www.youtube.com/watch?v=qkxLNSwop7c">http://www.youtube.com/watch?v=qkxLNSwop7c</a>
2. The Density Property - Numbers between Integers (Fractions and Decimals (3:12)		<a href="http://learnzillion.com/lessons/487-locate-positive-rational-numbers-using-a-number-line">http://learnzillion.com/lessons/487-locate-positive-rational-numbers-using-a-number-line</a>
1. Classification of Real Numbers (5:05)		<a href="http://www.youtube.com/watch?v=Xw9YqvhwVZ4">http://www.youtube.com/watch?v=Xw9YqvhwVZ4</a>
<b>10.3 Pages 699 - 706</b>	<b>Ordering the Rational Numbers</b>	<b>1. Comparing and Ordering Rational Numbers</b> <b>2. Determining Absolute Value</b>
1. Comparing Rational Numbers by Using a Number Line (6:59)		<a href="http://www.youtube.com/watch?v=VZOHWaw5dqM">http://www.youtube.com/watch?v=VZOHWaw5dqM</a>
1. Comparing and Ordering Rational Numbers (5:37)		<a href="http://www.youtube.com/watch?v=pf3N-7f9oI4">http://www.youtube.com/watch?v=pf3N-7f9oI4</a>
1. Compare and Order Rational Numbers (4:58)		<a href="http://learnzillion.com/lessons/36-compare-and-order-rational-numbers">http://learnzillion.com/lessons/36-compare-and-order-rational-numbers</a>
2. Find absolute value using a number line (3:46)		<a href="http://learnzillion.com/lessons/1140-find-absolute-value-using-a-number-line">http://learnzillion.com/lessons/1140-find-absolute-value-using-a-number-line</a>
2. Use a number line to understand why: if the value of a negative number decreases, its absolute value increases (3:52)		<a href="http://learnzillion.com/lessons/1144-use-a-number-line-to-understand-how-while-the-value-of-a-negative-number-decreases-its-absolute-value-increases">http://learnzillion.com/lessons/1144-use-a-number-line-to-understand-how-while-the-value-of-a-negative-number-decreases-its-absolute-value-increases</a>
1. INTERACTIVE GAME: Comparing and Ordering Rational Numbers		<a href="http://www.math-play.com/Comparing-Rational-Numbers/comparing-rational-numbers.html">http://www.math-play.com/Comparing-Rational-Numbers/comparing-rational-numbers.html</a>
1. Comparing rational numbers by using a number line (3:50)		<a href="http://learnzillion.com/lessons/488-locate-rational-numbers-using-a-number-line">http://learnzillion.com/lessons/488-locate-rational-numbers-using-a-number-line</a>
<b>10.4 Pages 707 - 712</b>	<b>Solving Problems with Rational Numbers</b>	<b>1. Solving Problems Using Rational Numbers and Absolute Values</b>
1. Interpret absolute value in real-world situations		<a href="http://learnzillion.com/lessons/1143-interpret-absolute-value-in-realworld-situations">http://learnzillion.com/lessons/1143-interpret-absolute-value-in-realworld-situations</a>
1. Determine the distance between integers by examining absolute value and number lines (4:54)		<a href="http://learnzillion.com/lessons/677-determine-the-distance-between-integers-by-examining-absolute-value-and-number-lines">http://learnzillion.com/lessons/677-determine-the-distance-between-integers-by-examining-absolute-value-and-number-lines</a>
1. Understanding positive and negative numbers with temperature		<a href="http://learnzillion.com/lessons/698-understanding-positive-and-negative-numbers-with-temperature">http://learnzillion.com/lessons/698-understanding-positive-and-negative-numbers-with-temperature</a>

<b>11.1 Pages 719 - 724 Extending the Coordinate Plane</b>	<b>1. Cartesian Coordinate Plane 2. Calculating the Distance Between Points</b>
<b>1. Graph points on a coordinate plane (4:26)</b>	<a href="http://learnzillion.com/lessons/490-graph-points-on-a-coordinate-plane">http://learnzillion.com/lessons/490-graph-points-on-a-coordinate-plane</a>
<b>1. Graph rational numbers on a coordinate plane (3:31)</b>	<a href="http://learnzillion.com/lessons/491-graph-rational-numbers-on-a-coordinate-plane">http://learnzillion.com/lessons/491-graph-rational-numbers-on-a-coordinate-plane</a>
<b>2. Use absolute value to find distances between points (4:32)</b>	<a href="http://learnzillion.com/lessons/1147-use-absolute-value-to-find-distances-between-points">http://learnzillion.com/lessons/1147-use-absolute-value-to-find-distances-between-points</a>
<b>2. Find the distance between two points in different quadrants (5:00)</b>	<a href="http://learnzillion.com/lessons/1148-find-the-distance-between-two-points-in-different-quadrants">http://learnzillion.com/lessons/1148-find-the-distance-between-two-points-in-different-quadrants</a>
<b>11.2 Pages 725 - 730 Graphing Geometric Figures</b>	<b>1. Graphing Geometric Figures</b>
<b>1. Draw polygons using given coordinates as vertices (4:26)</b>	<a href="http://learnzillion.com/lessons/1065-draw-polygons-using-given-coordinates-as-vertices">http://learnzillion.com/lessons/1065-draw-polygons-using-given-coordinates-as-vertices</a>
<b>1. Determine unknown ordered pairs using the characteristics of polygons (2:55)</b>	<a href="http://learnzillion.com/lessons/1067-determine-unknown-ordered-pairs-using-the-characteristics-of-polygons">http://learnzillion.com/lessons/1067-determine-unknown-ordered-pairs-using-the-characteristics-of-polygons</a>
<b>11.3 Pages 731 - 738 Solving Problems with Multiple Representations</b>	<b>1. Analyzing and Solving Problems with Multiple Representations</b>
<b>1. Write the equation of a graph using a table (2:13)</b>	<a href="http://learnzillion.com/lessons/1658-write-equation-of-a-graph-using-a-table">http://learnzillion.com/lessons/1658-write-equation-of-a-graph-using-a-table</a>
<b>1. Write a table, graph and equation for the solution to a problem (7:46)</b>	<a href="http://www.youtube.com/watch?v=ef1mQg2wyQ">http://www.youtube.com/watch?v=ef1mQg2wyQ</a>
<b>11.4 Pages 739 - 760 Interpreting Graphs</b>	<b>1. Interpreting Graphs (describe a graph in your own words)</b>
<b>1. Distance and Speed verses Time Graphs (2:57)</b>	<a href="http://www.youtube.com/watch?v=avF8RQW3_LQ">http://www.youtube.com/watch?v=avF8RQW3_LQ</a>
<b>1. Position vs. Time Graph (SHOW from 2:16 to 7:10)</b>	<a href="http://www.youtube.com/watch?v=x2ve5yucNPQ">http://www.youtube.com/watch?v=x2ve5yucNPQ</a>

<b>12.1</b>	<b>Pages 761 - 780</b>	<b>Customary Measurements</b>	<b>1. Customary Units of Measure</b> <b>2. Converting Customary Units of Measure</b>
<b>Grade 4 and 5 Standard</b>			
<b>1. &amp; 2. Measurement: Changing Customary Units (13:50)</b>			<a href="http://www.youtube.com/watch?v=4d5DcAM-s5E">http://www.youtube.com/watch?v=4d5DcAM-s5E</a>
<b>2. Conversion Using Unit Rates (Dimensional Analysis) (11:47)</b>			<a href="http://www.youtube.com/watch?v=x2UrGWM4IxY">http://www.youtube.com/watch?v=x2UrGWM4IxY</a>
1. Customary and Metric Measurement			<a href="http://www.mce.k12tn.net/math/measurement/measurement_unit.htm">http://www.mce.k12tn.net/math/measurement/measurement_unit.htm</a>
2. Dimensional Analysis			<a href="http://www.chem.tamu.edu/class/fyp/mathrev/mr-da.html">http://www.chem.tamu.edu/class/fyp/mathrev/mr-da.html</a>
<b>12.2</b>	<b>Pages 781 - 792</b>	<b>Metric Measurement</b>	<b>1. Metric Units of Measure</b> <b>2. Converting Metric Units of Measure</b>
<b>Grade 4 and 5 Standard</b>			
<b>1. Metric Units and Measurements</b>			<a href="http://www.athropolis.com/popup/c-metric.htm">http://www.athropolis.com/popup/c-metric.htm</a>
<b>2. Solve problems with mixed units of measurement</b>			<a href="http://learnzillion.com/lessons/2994-solve-problems-with-mixed-units-of-measurement">http://learnzillion.com/lessons/2994-solve-problems-with-mixed-units-of-measurement</a>
<b>2. Solve multi-step word problems involving metric conversions</b>			<a href="http://learnzillion.com/lessons/3058-solve-multistep-word-problems-involving-metric-conversions">http://learnzillion.com/lessons/3058-solve-multistep-word-problems-involving-metric-conversions</a>
2. Dimensional Analysis			<a href="http://www.chem.tamu.edu/class/fyp/mathrev/mr-da.html">http://www.chem.tamu.edu/class/fyp/mathrev/mr-da.html</a>
<b>12.3</b>	<b>Pages 793 - 800</b>	<b>Moving Between Measurement Systems</b>	<b>1. Converting Between Customary and Metric Systems</b>
<b>1. Measurement Conversion Chart</b>			<a href="http://www.abcteach.com/free/m/measurement_chart.pdf">www.abcteach.com/free/m/measurement_chart.pdf</a>
<b>1. Convert measurement units using ratio tables (6:58)</b>			<a href="http://learnzillion.com/lessons/592-convert-measurement-units-using-ratio-tables">http://learnzillion.com/lessons/592-convert-measurement-units-using-ratio-tables</a>
1. Convert between Customary and Metric			<a href="http://www.mathmammoth.com/preview/Measuring_Convert.pdf">http://www.mathmammoth.com/preview/Measuring_Convert.pdf</a>
1. Dimensional Analysis			<a href="http://www.chem.tamu.edu/class/fyp/mathrev/mr-da.html">http://www.chem.tamu.edu/class/fyp/mathrev/mr-da.html</a>

<b>12.4 Pages 801 - 810 Choosing Appropriate Measures</b>	<b>1. Choosing Appropriate Measures</b>
<b>SKIP - NOT A 6TH GRADE STANDARD (Lower Grades)</b>	
<b>13.1 Pages 811 - 832 Sketching, Drawing, Naming, and Sorting</b>	<b>1. Sketching and Drawing Polygons 2. Naming Polygons and their Sides and Angles 3. Sorting Polygons into Categories</b>
<b>SKIP - NOT A 6TH GRADE STANDARD (Naming and Sorting are at lower grades)</b>	
<b>13.2 Pages 833 - 846 Area and Perimeter of Rectangles and Squares</b>	<b>1. Calculating the Perimeter and Area of a Rectangle 2. Calculating the Perimeter and Area of a Square</b>
<b>SKIP - NOT A 6TH GRADE STANDARD (4TH Grade Standard)</b>	
<b>13.2 Pages 833 - 846 Area and Perimeter of Rectangles and Squares</b>	<b>3. Calculating the Area of Composite Figures</b>
<b>3. Find the area of polygons by decomposing into triangles, rectangles, parallelograms, and trapezoids (5:33)</b>	<a href="http://learnzillion.com/lessons/1061-find-the-area-of-polygons-by-decomposing-into-triangles-rectangles-parallelograms-and-trapezoids">http://learnzillion.com/lessons/1061-find-the-area-of-polygons-by-decomposing-into-triangles-rectangles-parallelograms-and-trapezoids</a>
<b>13.3 Pages 847 - 862 Area of Parallelograms and Triangles</b>	<b>1. Calculating the Area of a Parallelogram 2. Calculating the Area of a Triangle</b>
<b>1. Area of Parallelogram (5:42)</b>	<a href="http://www.khanacademy.org/math/geometry/quadrilaterals-and-polygons/v/area-of-a-parallelogram">http://www.khanacademy.org/math/geometry/quadrilaterals-and-polygons/v/area-of-a-parallelogram</a>
<b>1. Area of a parallelogram - INTERACTIVE</b>	<a href="http://www.mathopenref.com/parallelogramarea.html">http://www.mathopenref.com/parallelogramarea.html</a>
<b>2. Find the area of a right triangle (4:52)</b>	<a href="http://learnzillion.com/lessons/1883-find-the-area-of-a-right-triangle">http://learnzillion.com/lessons/1883-find-the-area-of-a-right-triangle</a>
<b>2. Find the area of non-right triangles by composing a parallelogram (6:32)</b>	<a href="http://learnzillion.com/lessons/1059-find-the-area-of-nonright-triangles-by-composing-a-parallelogram">http://learnzillion.com/lessons/1059-find-the-area-of-nonright-triangles-by-composing-a-parallelogram</a>



2. Area and Perimeter of a Triangle - INTERACTIVE	<a href="http://www.mathopenref.com/triangle.html">http://www.mathopenref.com/triangle.html</a>
<b>13.4 Pages 863 - 874 Area of Trapezoids</b>	<b>1. Calculating the Area of a Trapezoid</b>
1. Find the area of a trapezoid by composing a parallelogram (4:43)	<a href="http://learnzillion.com/lessons/1060-find-the-area-of-a-trapezoid-by-composing-a-parallelogram">http://learnzillion.com/lessons/1060-find-the-area-of-a-trapezoid-by-composing-a-parallelogram</a>
1. Find the area of a trapezoid by using the averages of the bases. (4:47)	<a href="https://www.youtube.com/watch?v=j3-XYLnxJDY">https://www.youtube.com/watch?v=j3-XYLnxJDY</a>
1. Area of a Trapezoid - INTERACTIVE	<a href="http://www.mathopenref.com/trapezoidarea.html">http://www.mathopenref.com/trapezoidarea.html</a>
<b>13.5 Pages 875 - 882 Area of Rhombi and Kites</b>	<b>1. Calculating the Area of a Rhombus 2. Calculating the Area of a Kite</b>
1. Proof - Rhombus Area Half Product of Diagonal Length (5:06)	<a href="https://www.youtube.com/watch?v=3FManXv4mZM">https://www.youtube.com/watch?v=3FManXv4mZM</a>
1. Area of a Rhombus (3:32)	<a href="https://www.youtube.com/watch?v=uzm2JHPWWqw">https://www.youtube.com/watch?v=uzm2JHPWWqw</a>
2. Derivation of the formula to find the Area of a kite (3:49)	<a href="http://www.khanacademy.org/math/geometry/basic-geometry/area_non_standard/v/area-of-a-kite">http://www.khanacademy.org/math/geometry/basic-geometry/area_non_standard/v/area-of-a-kite</a>
2. Area Of A Kite (2:39)	<a href="https://www.youtube.com/watch?v=5jMGzubyIjg">https://www.youtube.com/watch?v=5jMGzubyIjg</a>
1. Area of a Rhombus - INTERACTIVE	<a href="http://www.mathopenref.com/rhombusarea.html">http://www.mathopenref.com/rhombusarea.html</a>
2. Area of a Kite - INTERACTIVE	<a href="http://www.mathopenref.com/kitearea.html">http://www.mathopenref.com/kitearea.html</a>
<b>13.6 Pages 883 - 892 Area of Regular Polygons</b>	<b>Area of Regular Polygons</b>
<b>SKIP - NOT A 6TH GRADE STANDARD (requires basic trig ratios)</b>	

<b>14.1</b> Pages 905 - 920	<b>NETS</b>	<b>1. Construction of a NET from a Model of a Geometric Solid</b>
1. Represent three-dimensional figures with nets (5:00)		<a href="http://learnzillion.com/lessons/1219-represent-three-dimensional-figures-with-nets">http://learnzillion.com/lessons/1219-represent-three-dimensional-figures-with-nets</a>
1. Represent 3-D figures with nets (4:42)		<a href="http://learnzillion.com/lessons/195-represent-3d-figures-with-nets">http://learnzillion.com/lessons/195-represent-3d-figures-with-nets</a>
1. Nets and Surface area of Geometric Solids - INTERACTIVE		<a href="http://www.brainingcamp.com/resources/math/surface-area/interactive.php">http://www.brainingcamp.com/resources/math/surface-area/interactive.php</a>
1. Find surface area of cubes and prisms by pulling them apart (4:57)		<a href="http://learnzillion.com/lessons/3423-find-surface-area-of-cubes-and-prisms-by-pulling-them-apart">http://learnzillion.com/lessons/3423-find-surface-area-of-cubes-and-prisms-by-pulling-them-apart</a>
<b>14.2</b> Pages 921 - 940		
<b>The Cube</b>		<b>1. Calculate the Surface Area of Cubes 2. Calculate the Volume of Cubes</b>
<b>The use of Unit and Fractional Unit Cubes to calculate volume should be emphasized more to meet the 6th grade standard</b>		
1. Find the area of a square and the surface area of a cube (3:54)		<a href="http://learnzillion.com/lessons/136-find-the-area-of-a-square-and-the-surface-area-of-a-cube">http://learnzillion.com/lessons/136-find-the-area-of-a-square-and-the-surface-area-of-a-cube</a>
1. Find surface area of cubes and prisms by pulling them apart (4:57)		<a href="http://learnzillion.com/lessons/3423-find-surface-area-of-cubes-and-prisms-by-pulling-them-apart">http://learnzillion.com/lessons/3423-find-surface-area-of-cubes-and-prisms-by-pulling-them-apart</a>
2. Find the Volume of a Cube (4:08)		<a href="http://learnzillion.com/lessons/141-find-the-volume-of-a-cube">http://learnzillion.com/lessons/141-find-the-volume-of-a-cube</a>
<b>14.3</b> Pages 941 - 952		
<b>Prisms</b>		<b>1. Calculate the Surface Area of Right Rectangular Prisms 2. Calculate the Volume of Right Rectangular Prisms</b>
<b>The use of Unit and Fractional Unit Cubes to calculate volume should be emphasized more to meet the 6th grade standard</b>		
1. Find the surface area of rectangular prisms (4:37)		<a href="http://learnzillion.com/lessons/1222-find-surface-area-of-rectangular-prisms">http://learnzillion.com/lessons/1222-find-surface-area-of-rectangular-prisms</a>
2. Find the volume of a rectangular prism using unit cubes (4:30)		<a href="http://learnzillion.com/lessons/196-find-the-volume-of-a-rectangular-prism-using-unit-cubes">http://learnzillion.com/lessons/196-find-the-volume-of-a-rectangular-prism-using-unit-cubes</a>
1. & 2. Prisms - INTERACTIVE		<a href="http://www.mathopenref.com/prism.html">http://www.mathopenref.com/prism.html</a>
2. Volume of a right rectangular prism = L x W x H		<a href="http://www.algebra-class.com/volume-formulas.html">http://www.algebra-class.com/volume-formulas.html</a>

14.4	Pages 953 - 962	Surface Area and Volume of a Prism	1. Surface Area and Volume of a Prism
<b>SKIP - NOT A 6TH GRADE STANDARD (requires basic trigonometry ratios)</b>			
14.5	Pages 963 - 978	Area of Pyramids	1. Area of Pyramids
<b>SKIP - NOT A 6TH GRADE STANDARD (requires basic trigonometry ratios)</b>			
14.6	Pages 979 - 988	Identify Geometric Solids in Every Day Occurrences	1. Identify Geometric Solids in Every Day Occurrences
<b>SKIP - NOT A 6TH GRADE STANDARD (earlier grades)</b>			
15.1	Pages 997 - 1002	Designing Statistical Questions	1. Differentiating Between Parameter and a Statistic 2. Asking Statistical Questions
1. Parameters & Statistics (1:36)		<a href="http://www.youtube.com/watch?v=1o6N8Q2rOYA">http://www.youtube.com/watch?v=1o6N8Q2rOYA</a>	
1. Statistical Questions (7:39)		<a href="http://www.youtube.com/watch?v=YRBICgusoe8">http://www.youtube.com/watch?v=YRBICgusoe8</a>	
2. Sampling Methods and Preventing Bias (5:36)		<a href="http://www.youtube.com/watch?v=2ygOnKYsCd8">http://www.youtube.com/watch?v=2ygOnKYsCd8</a>	
1. Recognizing statistical questions		<a href="http://www.opusmath.com/common-core-standards/6.sp.1-recognize-a-statistical-question-as-one-that-anticipates-variability-in">http://www.opusmath.com/common-core-standards/6.sp.1-recognize-a-statistical-question-as-one-that-anticipates-variability-in</a>	
2. Biased Questions (7:24)		<a href="http://www.youtube.com/watch?v=dmlGFlmqx1o">http://www.youtube.com/watch?v=dmlGFlmqx1o</a>	
15.2	Pages 1019 - 1036	Line Plots and Stem and Leaf Plots	1. Distinguishing between Categorical and Quantitative Data 2. Creating and Analyzing Single Bar Graphs 3. Creating and Analyzing Double Bar Graphs 4. Creating and Analyzing Stacked Bar Graphs 5. Analyzing Circle Graphs
<b>NOT A COMMON CORE STANDARD (except for Bar Graph starting in 3rd grade)</b>			

15.3 Pages 1019 - 1036 Line Plots	1. Creating and Analyzing Line Plots
1. Line Plots - INTERACTIVE	<a href="http://www.glencoe.com/sites/common_assets/mathematics/mc2/cim/interactive_labs/M2_02/M2_02_dev_100.html">http://www.glencoe.com/sites/common_assets/mathematics/mc2/cim/interactive_labs/M2_02/M2_02_dev_100.html</a>
1. Line Plots (7:09)	<a href="http://www.youtube.com/watch?v=IXTXmnGtPIA">http://www.youtube.com/watch?v=IXTXmnGtPIA</a>
1. Dot Plots - same as Line Plot but with dots in stead of X's (click on View Video button)	<a href="http://stattrek.com/statistics/charts/dot-plot.aspx?Tutorial=AP">http://stattrek.com/statistics/charts/dot-plot.aspx?Tutorial=AP</a>
15.3 Pages 1019 - 1036 Stem and Leaf Plots	2. Creating and Analyzing Stem and Leaf Plots 3. Creating and Analyzing Side by Side Stem and Leaf Plots
<b>STEM and LEAF PLOTS ARE NOT A COMMON CORE STANDARD</b>	
15.4 Pages 1037 - 1052 Using Histograms	1. Creating and Analyzing Histograms
1. Creating and Analyzing Histograms (6:04; may want to stop at 4:28)	<a href="http://onlinestatbook.com/2/graphing_distributions/histogramsM.html">http://onlinestatbook.com/2/graphing_distributions/histogramsM.html</a>
1. Histograms (click on the link in the box to the right) <ul style="list-style-type: none"> <li>• Click on View Video button.</li> <li>• Then click on "What is a Histogram" on the menu on the left side. (starts play at 4:17).</li> <li>• End play at 7:56 (prior to "Summary").</li> </ul>	<a href="http://stattrek.com/statistics/charts/histogram.aspx?Tutorial=AP">http://stattrek.com/statistics/charts/histogram.aspx?Tutorial=AP</a>
15.5 Pages 1053 - 1056 Designing and Implementing an Experiment	1. Analyzing Data
1. Conducting an Experiment Using the Scientific Method (5:26)	<a href="http://www.youtube.com/watch?v=luzu0OphyDY">http://www.youtube.com/watch?v=luzu0OphyDY</a>
1. Analysis of Data - the Monty Hall problem (7:23)	<a href="http://www.khanacademy.org/math/cc-seventh-grade-math/cc-7th-probability-statistics/cc-7th-dependent-probability/v/monty-hall-problem">http://www.khanacademy.org/math/cc-seventh-grade-math/cc-7th-probability-statistics/cc-7th-dependent-probability/v/monty-hall-problem</a>

<b>16.1 Pages 1069 - 1080 Analyzing Data Using Measure of Center</b>	<b>1. Calculating and Interpreting the Mode for a Set of Data</b> <b>2. Determining the Balance Point for a Set of Data</b> <b>3. Calculating and Interpreting the Mean for a Set of Data</b>
<b>1. When is the Mode the best description of a set of data?</b>	<b>The Mode is used to obtain the best description of a set of data that are discrete (i.e. are not continuous).</b> <b>EXAMPLE: The Mode is the best measure to use to describe the most representative shoe size. Shoe sizes come in half steps such as 7, 7.5, and 8. A shoe size of 7.633 makes no sense. The mean and median are unlikely to provide the most typical shoe size in half steps.</b>
<b>1. How Do You Find the Mode of a Data Set When There is More Than One Mode? (2:44)</b>	<a href="http://www.virtualnerd.com/algebra-2/probability-statistics/central-tendency-dispersion/central-tendency/multiple-mode-data-set">http://www.virtualnerd.com/algebra-2/probability-statistics/central-tendency-dispersion/central-tendency/multiple-mode-data-set</a>
<b>1. Finding the Mode (3:54)</b>	<a href="http://www.mathsisfun.com/mean.html">http://www.mathsisfun.com/mean.html</a>
<b>1. Measures of Central Tendency</b>	<a href="http://www.mathsisfun.com/median.html">http://www.mathsisfun.com/median.html</a>
<b>2. The mean as a balancing point (3:19)</b>	<a href="http://vimeo.com/23499650">http://vimeo.com/23499650</a>
<b>3. Find the mean of a data set (4:23)</b>	<a href="http://learnzillion.com/lessons/534-find-the-mean-of-a-data-set">http://learnzillion.com/lessons/534-find-the-mean-of-a-data-set</a>
<b>1. Measures of Central Tendency</b>	<a href="http://www.mathsisfun.com/median.html">http://www.mathsisfun.com/median.html</a>
<b>3. How to find the Mean</b>	<a href="http://www.mathsisfun.com/mode.html">http://www.mathsisfun.com/mode.html</a>
<b>3. How to Find the Median Value</b>	<a href="http://www.regentsprep.org/Regents/math/ALGEBRA/AD2/measure.htm">http://www.regentsprep.org/Regents/math/ALGEBRA/AD2/measure.htm</a>
<b>16.2 Pages 1081 - 1094 Determining When to Use the Mean, Median or Mode</b>	<b>1. Determining the Mean, Median and Mode for a Graphical Display of Data</b> <b>2. Determining When to Use the Mean, Median and Mode to Describe a Data Set</b>
<b>1 &amp; 2. Mean Median and Mode (3:55)</b>	<a href="http://www.youtube.com/watch?v=k3aKKasOmlw&amp;list=PL264A927F95D0080E">http://www.youtube.com/watch?v=k3aKKasOmlw&amp;list=PL264A927F95D0080E</a>
<b>1 &amp; 2. Summarizing the center of data with a single number using mean, median, and mode (4:56)</b>	<a href="http://learnzillion.com/lessons/538-summarize-the-center-of-data-with-a-single-number-using-mean-median-and-mode">http://learnzillion.com/lessons/538-summarize-the-center-of-data-with-a-single-number-using-mean-median-and-mode</a>

<p><b>16.3 Pages 1095 - 1108 Calculating and Interpreting the Mean Absolute Deviation</b></p>	<ol style="list-style-type: none"> <li>1. Calculating the Deviations of Each Data Value from the Mean of a Data Set</li> <li>2. Calculating the Absolute Deviations of Each Data Value from the Mean of a Data Set</li> <li>3. Calculating and Interpreting the Mean Absolute Deviation for a Data Set</li> </ol>
<p><b>1 &amp; 2. Mean Absolute Deviation (3:36)</b></p>	<p><a href="http://www.youtube.com/watch?v=PwsXncM2pas">http://www.youtube.com/watch?v=PwsXncM2pas</a></p>
<p><b>3. Describe the distribution of data using the mean absolute deviation (3:55)</b></p>	<p><a href="http://learnzillion.com/lessons/536-describe-the-distribution-of-data-using-the-mean-absolute-deviation">http://learnzillion.com/lessons/536-describe-the-distribution-of-data-using-the-mean-absolute-deviation</a></p>
<p>3. Describe the spread of data by finding range, interquartile range, and mean absolute deviation (5:15)</p>	<p><a href="http://learnzillion.com/lessons/544-describe-the-spread-of-data-by-finding-range-interquartile-range-and-mean-absolute-deviation">http://learnzillion.com/lessons/544-describe-the-spread-of-data-by-finding-range-interquartile-range-and-mean-absolute-deviation</a></p>
<p><b>16.4 Pages 1109 - 1122 Analyzing Data Using the Five Number Summary</b></p>	<ol style="list-style-type: none"> <li>1. Calculating and Interpreting the Range as a Measure of Variability for a Data Set</li> <li>2. Calculating and Interpreting Quartiles as a Measure of Variability for a Data Set (combine with #3?)</li> <li>3. Calculating and Interpreting the Interquartile Range as a Measure of Variability for a Data Set</li> <li>4. Calculating and Interpreting the Five Number Summary as a Measure of Variability for a Data Set</li> </ol>
<p><b>1. Use and find the range of a data set (4:30)</b></p>	<p><a href="http://learnzillion.com/lessons/535-use-and-find-the-range-of-a-data-set">http://learnzillion.com/lessons/535-use-and-find-the-range-of-a-data-set</a></p>
<p><b>2. &amp; 3. Describe the spread of data by finding range, interquartile range, and mean absolute deviation (5:15)</b></p>	<p><a href="http://learnzillion.com/lessons/544-describe-the-spread-of-data-by-finding-range-interquartile-range-and-mean-absolute-deviation">http://learnzillion.com/lessons/544-describe-the-spread-of-data-by-finding-range-interquartile-range-and-mean-absolute-deviation</a></p>
<p><b>3. How to Find the IQR - Both Printed and Video [at the bottom of the page - (2:29)] Lesson</b></p>	<p><a href="http://www.wikihow.com/Find-the-IQR">http://www.wikihow.com/Find-the-IQR</a></p>
<p><b>4. Reading box-and-whisker plots - Interpreting the 5 Number Summary (3:18)</b></p>	<p><a href="http://www.khanacademy.org/math/probability/descriptive-statistics/Box-and-whisker%20plots/v/reading-box-and-whisker-plots">http://www.khanacademy.org/math/probability/descriptive-statistics/Box-and-whisker%20plots/v/reading-box-and-whisker-plots</a></p>
<p><b>4. Using the 5 number summary in a Box Plot to tell us about the variability of the data- click on the View Video button at the top of the page (8:43).</b></p>	<p><a href="http://stattrek.com/statistics/charts/boxplot.aspx?Tutorial=AP">http://stattrek.com/statistics/charts/boxplot.aspx?Tutorial=AP</a></p>

<b>16.5 Pages 1123 - 1134 Displaying and Analyzing Data Using and Box and Whisker Plots</b>	<b>1. Calculating and Interpreting a Box-and Whisker Plot for a Data Set</b>
<p>1. Using the 5 number summary in a Box Plot to tell us about the variability of the data.</p> <ul style="list-style-type: none"> <li>● VIDEO: click on the View Video button at the top of the page (8:43)</li> <li>● TEXT: Read the text to understand what the Box and Whisker Plot tells us about the skew in the data set</li> </ul>	<p><a href="http://stattrek.com/statistics/charts/boxplot.aspx?Tutorial=AP">http://stattrek.com/statistics/charts/boxplot.aspx?Tutorial=AP</a></p>
<b>16.5 Pages 1123 - 1134 Displaying and Analyzing Data Using and Box and Whisker Plots</b>	<b>2. Determining if a Data Set has Outliers</b>
<b>The Topic of OUTLIERS is an 8th Grade Standard</b>	