

**Learning Targets**

- ❖ Chapter 1.1
  1. I will find the squares of numbers and square roots of numbers. (Lesson 1-3)
  2. I will practice finding the squares of numbers and square roots of numbers. (Lesson 1-3)
  3. I will be able to explain why operations have a specific order. (Lesson 1-4)
  4. I will be able to correctly solve problems on the order of operations. (Lesson (1-4))
  5. I will be able to correctly solve problems with exponents on the order of operations. (Lesson 1-4)
  6. I will practice my order of operations skills. (Lesson 1-4)
  7. I will practice my squares, square roots, and order of operations skills. (Review lessons 1-3 and 1-4 for Chapter 1.1)
  8. I will show my mastery on squares, square roots, and order of operations skills (Chapter 1.1 test includes 1-3 and 1-4)
- ❖ Chapter 1.2
  1. I will be able to substitute numbers in for variables while still using order of operations.(Lesson 1-6)
  2. I will be able to identify the Commutative, Associative, and Identity Properties. (Lesson 1-8)
  3. I will be able to identify the Distributive Property and distribute a number correctly.(Lesson 1-8)
  4. I will be able to identify the four properties and communicate their key words. (Lesson 1-8)
  5. I will be able to sing the Properties Song and identify the four properties in more complex math problems.(Lesson 1-8)
  6. I will be able to identify the function rule in an equation.(Lesson 1-10)
  7. I will be able to solve functions in a function table.(Lesson 1-10)
  8. I will demonstrate complete knowledge of Algebraic Expressions, Properties, and Functions. (Review Chapter 1.2)
  9. I will show my mastery in algebraic expressions, properties and functions. (Test chapter 1.2)
- ❖ Chapter 2
  1. I will be able to read and write integers. I will be able to find absolute value.(Lesson 2-1)
  2. I will be able to compare and order integers.(Lesson 2-2)
  3. I will be able to graph points on a coordinate plane(Lesson 2-3)
  4. I will be able to graph points on a coordinate plane that will result in a picture cartoon.(Lesson 2-3)
  5. I will be able to add integers.(Lesson 2-4)
  6. I will be able to subtract integers.(Lesson 2-5)
  7. I will be able to add and subtract integers in the same problem.(Lesson 2-4 & 2-5)
  8. I will be able to solve chains of integers through adding and subtracting. (Lesson 2-4 & Lesson 2-5)
  9. I will be able to multiply integers.(Lesson 2-6)
  10. I will be able to divide integers.(Lesson 2-8)
  11. I will be able to solve problems using integers. (Review Chapter 2)

## Learning Targets

12. I will be able to solve problems using integers. (Review Chapter 2)
  13. I will be able to show mastery of integers. (Test Chapter 2)
- ❖ Chapter 3
1. I will be able to change words into math symbols.(Lesson 3-1)
  2. I will be able to understand how the order of the words affects the symbols.(Lesson 3-1)
  3. I will be able to write verbal sentences as simple algebraic equations.(Lesson 3-1)
  4. I will be able to solve addition and subtraction equations by showing the balancing step.  
(Lesson 3-2)
  5. I will be able to solve addition and subtraction equations through my work.(Lesson 3-2)
  6. I will be able to solve multiplication equations by showing the balancing step.  
(Lesson 3-3)
  7. I will be able to solve division equations by showing the balancing step and using the multiplicative inverse.(Lesson 5-6)
  8. I will be able to solve two-step equations by showing the balancing steps in the proper order.(Lesson 3-5)
  9. I will be able to make a function table to graph an equation.(Lesson 3-7)
  10. I will be able to make a function table to graph an equation.(Lesson 3-7)
  11. I will be able to solve different types of equations.(Review Chapter 3)
  12. I will be able to show mastery of solving equations. (Test Chapter 3)
- ❖ Chapter 4.2
1. I will be able to write decimals as fractions and fractions as terminating decimals.  
(Lesson 4-5)
  2. I will be able to write fractions as repeating decimals.(Lesson 4-5)
  3. I will be able to compare fractions and decimals.(Lesson 4-5)
  4. I will be able to convert between fractions and decimals.(Lesson 4-5)
  5. I will be able to practice 40 common fractions to decimals.(Lesson 4-5)
  6. I will be able to recall 40 common fractions to decimals.(Lesson 4-5)
  7. I will be able to convert fractions to decimals. (Review Chapter 4.2)
  8. I will be able to show mastery when converting fractions to decimals. (Test Chapter 2)
- ❖ Chapter 4.3
1. I can define percent and ratios. I will be able to convert between decimals and percents.(Lesson 4-7)
  2. I will be able to convert between whole number percents and proper fractions.  
(Lesson 4-6)
  3. I will be able to convert between mixed number percents and fractions.(Lesson 4-6)
  4. I will be able to write percents as repeating decimals.(Lesson 4-6)
  5. I will be able to convert among fractions, decimals, and percents(Lesson 6-9)
  6. I will be able to practice converting among fractions, decimals, and percents.(Lesson 6-9)

## Learning Targets

7. I will be able to solve problems involving percents, ratios and conversions. (Review Chapter 4.3)
  8. I will be able to master solving problems involving percents, ratios and conversions. (Test Chapter 4.3)
- ❖ Chapter 5
1. I will be able to simplify fractions.(Lesson 4-4)
  2. I will be able to add/subt fractions with common denominators. I will be able to review simple fraction knowledge.(Lesson 5-2)
  3. I will be able to add/subtract proper fractions with unlike denominators.(Lesson 5-2)
  4. I will be able to add and subtract mixed numbers with carrying and borrowing. (Lesson 5-3)
  5. I will be able to add and subtract mixed numbers.(Lesson 5-3)
  6. I will be able to multiply proper fractions.(Lesson 5-5)
  7. I will be able to multiply mixed numbers.(Lesson 5-5)
  8. I can identify the reciprocal (multiplicative inverse) of a fraction. I will be able to divide mixed numbers.(Lesson 5-7)
  9. I will be able to divide mixed numbers.(Lesson 5-7)
  10. I will be able to add, subtract, multiply, and divide fractions. (Review Chapter 5)
  11. I will be able to solve all fraction problems. (Review Chapter5)
  12. I will be able to master solving all fraction problems. (Test Chapter 5)
- ❖ Chapter 6
1. I will be able to write ratios as fractions in simplest form. I will be able to decide whether two ratios are equivalent.(Lesson 6-1)
  2. I will be able to write ratios as fractions in simplest form. I will be able to know why two ratios are equivalent.(Lesson 6-1)
  3. I will be able to write a rate as a unit rate.(Lesson 6-2)
  4. I will be able to practice writing unit rates.(Lesson 6-2)
  5. I will be able to solve problems involving rates and unit rates.(Lesson 6-2)
  6. I will be able to identify **slope** using a table and graph.(Lesson 6-3)
  7. I will be able to identify **rate of change** using tables and graphs.(Lesson 6-3)
  8. I will be able to show *how* to solve a proportion.(Lesson 6-6)
  9. I will be able to practice solving proportions with steps.(Lesson 6-6)
  10. I will be able to set up and solve a proportion in a real life setting.(Lesson 6-6)
  11. I will be able to solve problems involving scale drawings.(Lesson 6-8)
  12. I will be able to solve problems with rates, ratios, proportions and rate of change. (Review Chapter 6)
  13. I will be able to practice problems with rates, ratios, proportions and rate of change. (Review Chapter 6)
  14. I will be able to practice problems with rates, ratios, proportions and rate of change. (Review Chapter 6)
  15. I will be able to show my mastery with rates, ratios, proportions and rate of change. (Test Chapter 6)
- ❖ Chapter 7
1. I will be able to set up problems using the percent proportions. (Lesson 7-2)
  2. I will be able to solve problems using the percent proportion. (Lesson 7-2)
  3. I will be able to discover the shortcuts of percent proportions. (Lesson 7-2)

**Learning Targets**

4. I can set up and solve percent proportions using shortcuts. (Lesson 7-2)
  5. I will be able to calculate the percent of increase and decrease. (Lesson 7-6)
  6. I will be able to use the percent proportion to solve a story problem using a graphic organizer. (Lesson 7-7)
  7. I can use the percent proportion to solve problems involving sales tax and discount. (Lesson 7-7)
  8. I can apply the percent proportion to a real life situation of shopping. (Lesson 7-7)
  9. I will be able to practice percent proportions using a graphic organizer. (Lesson 7-7)
  10. I can calculate simple interest. (Lesson 7-8)
  11. I will be able to demonstrate complete knowledge of percent proportions and their applications. (Review Chapter 7)
  12. I will be able to show my mastery with percent proportions and their applications. (Test Chapter 7)
- ❖ Chapter 10
1. I will be able to classify vertical, adjacent, alternate interior, alternate exterior and corresponding angles. (Lesson 10-1)
  2. I can identify complementary and supplementary angles and find the missing angle measures. (Lesson 10-2)
  3. I will be able to identify and classify triangles. (Lesson 10-4)
  4. I will be able to find missing measure in a triangle. (Lesson 10-4)
  5. I will be able determine if figures are similar and find a missing link in a pair of similar figures. (Lesson 10-7)
  6. I will be able to demonstrate my knowledge in the areas of angles, triangles and similar figures. (Review Chapter 10)
  7. I will be able to show my mastery in the area of angles, triangles and similar figures. (Test Chapter 10)
- ❖ Chapter 11.1
1. I will be able to find the area of rectangles, squares and parallelograms. (Lesson 3-6 and Lesson 11-1)
  2. I will be able to find the area of triangles and trapezoids. (Lesson 11-2)
  3. I will be able to find the area of polygons. (Lesson 3-6, 11-1 and 11-2)
  4. I will be able to identify the parts of the circle. (Lesson 11-3)
  5. I will be able to calculate the circumference of a circle. (Lesson 11-3)
  6. I will be able to find the area of circles. (Lesson 11-4)
  7. I will be able to find the area and the circumference of a circle. (Lesson 11-4)
  8. I will be able to demonstrate my knowledge of circles and polygons. (Review Chapter 11.1)
  9. I will be able to demonstrate my mastery of circles and polygons. (Test 11.1)
- ❖ Chapter 11.2
1. I will be able to identify and classify three dimensional figures. (Lesson 11-7)
  2. I will be able to find the volume of rectangular and triangular prisms. (Lessons 11-9 and 12-2 from *pre-algebra*)
  3. I will be able to find the volume of rectangular and triangular pyramids. (Lesson 12-4 from *pre-algebra*)

**Learning Targets**

4. I will be able to demonstrate my knowledge of three dimensional figures. (Review Chapter 11.2)
  5. I will be able to demonstrate my mastery of three dimensional figures. (Test Chapter 11.2)
- ❖ Chapter 12
1. I will be able to find the surface area of rectangular prisms. (Lesson 12-4)
  2. I will be able to find the surface area of pyramids. (*Lesson 12-7 from pre-algebra*)
  3. I will be able to describe and draw vertical, horizontal and angled cross sections of three dimensional figures. (*Lesson 12-1 pre-alg*)
  4. I will be able to demonstrate my knowledge of surface area of three dimensional figures. (Review Chapter 12)
  5. I will be able to demonstrate my mastery of surface area of three dimensional figures. (Test Chapter 12)
- ❖ Chapter 8
1. I will be able to describe a set of data using mean, median, mode and range. (Lesson 8-2)
  2. I will be able to display and analyze data using bar graphs and histograms. (Lesson 8-4)
  3. I will be able to predict the actions of a larger group by using a sample. (Lesson 8-8)
  4. I will be able demonstrate my knowledge of analyzing data. (Review Chapter 8)
  5. I will be able to demonstrate my mastery of analyzing data. (Test Chapter 8)
- ❖ Chapter 9
1. I will be able to find the probability of a simple event. (Lesson 9-1)
  2. I will be able to practice finding the probability of a simple event. (Lesson 9-1)
  3. I will be able to find sample spaces and probabilities. (Lesson 9-2)
  4. I will be able to use the fundamental counting principle to find the total number of outcomes. (Lesson 9-3)
  5. I will be able to find and compare experimental and theoretical probabilities. (Lesson 9-7)
  6. I will be able to find the probability of independent and dependent events. (Lesson 9-8)
  7. I will be able to demonstrate my knowledge of probability. (Review Chapter 9)
  8. I will be able to demonstrate my mastery of probability. (Test Chapter 9)
- ❖ Chapter 13
1. I will be able to draw triangles using given angles and/or side lengths. (Common core supplement p 37 and 38)