

6th Grade Final Test Study Guide

Chapter 1

- Use a problem solving plan
- Solve problems by finding a pattern
- Solve problems by reading or creating a table
- Solve problems by making an organized list.
- Solve problems using a graph
- Solve problems by drawing a diagram
- Use mental math to solve multiplication and division equations

Chapter 2

- Write base-ten place-value numbers in expanded notation
- Find the perimeter of a geometric figure
- Find the area of a rectangle
- Write the remainder of a division problem as a fraction.
- Simplify an expression using the order of operations.
- Use the distributive property.
- Evaluate a variable expression when given the value of the variable.

Chapter 3

- Write decimals in expanded notation.
- Express the same value with two different units.
- Measure length in the metric system
- Convert units of length in the metric system.
- Rewrite decimals as fractions.
- Rewrite decimals as percents.
- Order and round decimals.
- Use exponents to write powers.
- Evaluate expressions that have exponents.

Chapter 4

- Add decimals.
- Subtract decimals.
- Use front-end estimation to predict sums and differences.
- Multiply decimals.
- Find a percent of a number by multiplying decimals.
- Divide a decimal by a whole number.
- Multiply and divide by powers of ten (mentally)
- Divide decimals.

Chapter 5

- Draw and interpret a line [lot.
- Draw a stem-and-leaf plot.
- Find the mean of two or more numbers.
- Find the median of a set of numbers.
- Find the mode of a set of numbers.
- Create a bar graph with an appropriate scale.
- Draw a line graph with an appropriate scale.
- Draw a pictograph.

Chapter 6

- Write fractions and ratios.
- Explain how fractions are related to division.
- Determine if two fractions or ratios are equivalent.
- Simplify a fraction.
- Solve a proportion.
- Compare and order fractions.
- Rewrite improper fractions as mixed numbers.
- Rewrite mixed numbers as improper fractions.
- Use ratios to find probabilities.

Chapter 7

- Measure lengths with US customary units.
- Convert measurements of length
- Find the least common denominator of two fractions.
- Add and subtract fractions with different denominators.
- Add and subtract mixed numbers.
- Subtract by regrouping.

Chapter 8

- Multiply fractions and whole numbers.
- Multiply fractions.
- Multiply mixed numbers.
- Divide fractions that have a common denominator.
- Use reciprocals to divide fractions.
- Divide fractions, mixed numbers, and whole numbers.
- Find the area of a right triangle.

Chapter 9

- Identify geometric figures.
- Identify types of angles.
- Use a protractor to measure angles.
- Identify congruent and similar shapes.
- Identify line symmetry
- Plot points in a coordinate plane.
- Identify slides in a coordinate plane.
- Identify triangles by their sides and angles.
- Measure the angles of a triangle.

Chapter 10

- Identify parallel and intersecting lines.
- Identify perpendicular lines.
- Identify supplementary and complementary angles.
- Draw an angle given its measure in degrees.
- Identify different types of parallelograms.
- Find the area of a triangle.
- Find the circumference of a circle.

- Find the area of a circle.
- Make a circle graph.
- Find the surface area of a rectangular prism.
- Find the volume of a rectangular prism.

Solid geometry

- Find the area of a trapezoid
- Find the area of a parallelogram.
- Find the area of irregular figures.
- Find the surface area of a prism.
- Find the surface area of a cylinder.
- Find the volume of a cylinder.
- Find the volume of a prism.

Chapter 11

- Graph integers on a number line.
- Add integers.
- Subtract integers.
- Multiply integers.
- Divide integers.
- Plot points in a coordinate plane.
- Perform transformations in a coordinate plane.
- Find areas of figures in a coordinate plane.
- Find the midpoint of a line segment.

Chapter 12

- Solve addition equations.
- Solve subtraction equations.
- Solve equations that have fractions and decimals.
- Solve multiplication equations.
- Solve division equations.
- Solve equations that have two steps.