

# Middle School Math Common Core Standard Posters

## 6<sup>th</sup> Grade Common Core Math Standards Posters

**G.NS.7b**  
Write, interpret, and statements of or rational numbers.

**G.EE.1**  
Understand the concept of a ratio and use ratio language to describe a ratio relationship between two quantities.

**.IL.2**  
Read, and evaluate in which letters or numbers.

**G.G.2**  
Find the volume of a right rectangular prism with fractional edge lengths by packing it with unit cubes of the appropriate unit fractional edge lengths, and show that the volume is the same as would be found by multiplying the edge lengths of the prism. Apply the formulas  $V = lwh$  and  $V = bh$  to find volumes of right rectangular prisms with fractional edge lengths in the context of solving real-world and mathematical problems.

**.CS**  
Summarize numerical data sets in relation to the number of data points.

## 8<sup>th</sup> Grade Math Common Core Standards Posters

**S.NS.1**  
Know that numbers are closed under addition, subtraction, multiplication, and division of rational numbers, except for division by zero. Understand addition, subtraction, multiplication, and division of rational numbers as operations on fractions and as operations on decimals.

**S.F.1**  
Understand that a function is a rule that assigns to each input exactly one output. The graph of a function is the set of ordered pairs consisting of an input and the corresponding output.

**S.SI.1**  
Understand that statistics are used to gather information about a population and to answer questions about it. Understand that statistics are used to make inferences about a population based on a sample of the population. Understand that statistics are used to make predictions about a population based on a sample of the population.

**S.IL.1**  
Perform operations with numbers expressed in scientific notation, including problems where both decimal and scientific notation are used. Use scientific notation and choose units of appropriate size for measurements of very large or very small quantities.

**S.G.2**  
Understand that a two-dimensional figure is congruent to another if the second can be obtained from the first by a sequence of rotations, reflections, and translations. Given two congruent figures, describe a sequence that exhibits the congruence between them.

## 7<sup>th</sup> Grade Math Common Core Standard Posters

**.LL.1**

**.LSS.2a**  
Understand that multiplication is extended from fractions to rational numbers by requiring that operations continue to satisfy the properties of operations, particularly the distributive property, leading to products such as  $(\frac{1}{2})(\frac{3}{4}) = \frac{3}{8}$ .

**.LLE.1**  
Identify rates associated with ratios of fractions, ratios of lengths, ratios of volumes, and ratios of other quantities.

**.L.L.1**  
Understand that multiplication is extended from fractions to rational numbers by requiring that operations continue to satisfy the properties of operations, particularly the distributive property, leading to products such as  $(\frac{1}{2})(\frac{3}{4}) = \frac{3}{8}$ .

**.L.L.2**  
Draw (freehand, with ruler and protractor, and with technology) geometric shapes with given conditions. Focus on constructing triangles from three measures of angles or sides, noticing when the conditions determine a unique triangle, more than one triangle, or no triangle.