

## KS Grade Level **FOCUS** for Seventh Grade



Standards should provide *focus*, *coherence*, and *rigor*. This document shows educators the concepts and topics that should be the *focus* for their grade level. By emphasizing some clusters of mathematics over others, the *coherence* between grades will assist students in building key ideas and essential concepts that are revisited at more depth in later grades.

Though some standards have a greater emphasis than others, they cannot be ignored. These standards should support the major areas of focus for each grade level and provide a foundation for future topics.

To assist with curriculum mapping and the curriculum adoption process, a set of Grade Level Focus worksheets <http://bit.ly/GLF-Worksheet> have been produced for districts and schools to use.

### Major, Supporting, and Additional Clusters for Seventh Grade

Mathematics is best when focusing at the cluster level instead of at the standard level. This structure provides better coherence and connectivity. The major work of the grade level should focus on the major clusters. The supporting and additional clusters should support the major clusters and provide foundational ideas for future mathematics.

▶ Major Clusters

◆ Supporting Clusters

● Additional Clusters

- 7.RP.A ▶ Analyze proportional relationships and use them to solve real-world and mathematical problems.
- 7.NS.A ▶ Apply and extend previous understandings of operations with positive rational numbers to add, subtract, multiply and divide all rational numbers.
- 7.EE.A ▶ Use properties of operations to generate equivalent expressions.
- 7.EE.B ▶ Solve real-life and mathematical problems using numerical and algebraic expressions and equations.
- 7.G.A ● Draw, construct, and describe geometrical figures and describe the relationships between them.
- 7.G.B ● Solve real-life and mathematical problems involving area, surface area, and volume.
- 7.SP.A ◆ Use random sampling to draw inferences about a population.
- 7.SP.B ● Draw informal comparative inferences about two populations.
- 7.SP.C ◆ Investigate chance processes and develop, use, and evaluate probability models.