

# COMMON CORE STATE STANDARDS FOR

## Mathematics

### STANDARDS FOR MATHEMATICAL PRACTICE

*Describe* habits of mind used by a mathematically expert student. They are the process standards and proficiencies that are important in mathematics education.

### STANDARDS FOR MATHEMATICAL CONTENT

*Define* what students should understand and be able to do in their study of mathematics. They stress balancing procedure and conceptual understanding of key ideas.

### MATHEMATICAL PRACTICES

K-12

1. Make sense of problems and persevere in solving them
2. Reason abstractly and quantitatively
3. Construct viable arguments and critique the reasoning of others
4. Model with mathematics
5. Use appropriate tools strategically
6. Attend to precision
7. Look for and make use of structure
8. Look for and express regularity in repeated reasoning

### DOMAINS AND CONCEPTUAL CATEGORIES

K-5 Domains	6-8 Domains	HS Conceptual Categories
Counting and Cardinality (K only) Operations and Algebraic Thinking (K-5) Number and Operations in Base Ten (K-5) Number and Operations—Fractions (3-5) Measurement and Data (K-5) Geometry (K-5)	Ratios and Proportional Relationships (6-7) The Number System (6-8) Expressions and Equations (6-8) Functions (8 only) Geometry (6-8) Statistics and Probability (6-8)	Number and Quantity Algebra Functions Modeling Geometry Statistics and Probability