

# SPRING-FORD

## C O R E

WORKING TOGETHER TO UNDERSTAND  
PA CORE STANDARDS IN SPRING-FORD:

Math Core Standards—Parent Guide, 6

### Numbers and Operations

Understand ratio concepts and use ratio reasoning to solve problems.

*I can explain how a ratio is comparing two quantities.*

*I can explain the concept of a unit rate.*

*I can use fractions and ratios to solve problems.*

*I can solve problems involving percents.*



### Rational Numbers, Fractions and Computation

*I know that a fraction can represent a quotient.*

*I can perform operations with fractions using models and equations.*

*I can find the greatest common factor and least common multiple of two whole numbers.*

*I can easily and accurately add, subtract, multiply and divide whole numbers and decimals.*

*I can use the distributive property to express the sum of two whole numbers.*

*I can explain how positive and negative numbers relate to real-world examples, and how each rational number has an opposite value.*

*I can locate rational numbers on the number line.*

*I can plot ordered pairs on the coordinate plane and find the distance between 2 points.*

*I can explain and use absolute value.*

### Algebraic Concepts—Expressions and Equations

#### Expressions

*I can write and evaluate numerical and algebraic expressions involving exponents.*

*I can use the order of operations.*

*I can solve a real-world problem using substitution, given the formula.*

#### Equations

*I can solve a one-variable equation and inequality and apply this reasoning to real-world situations.*

*I can explain the relationship between dependent and independent variables.*

### Geometry

#### Area and Volume

*I can apply appropriate tools to solve real world and mathematical problems involving area, surface area, and volume.*

### Measurement, Data and Probability

#### Displaying, Analyzing and Summarizing Distributions

*I can create and use dot plots, histograms and box plots in real-world contexts.*