

# 4-6 Mathematics

## GRADE 5 MATH

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During Grade 5, the focus of instruction is on building computational knowledge, using whole numbers, fractions, and decimals. In addition, instruction emphasizes solving multi-step word problems and solving problems involving measurement that include conversions. Other topics include algebraic and geometric concepts, including the coordinate plane. Instruction is aligned to the Pennsylvania Academic Standards for Mathematical Content and Mathematical Practice.

By the end of Grade 5, students will:

### 2.1 Numbers and Operations



Apply place value concepts to whole numbers and decimals

Add, subtract, multiply, and divide fractions

### 2.2 Algebraic Concepts

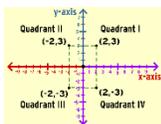


Solve problems involving the four operations

Interpret and evaluate numerical expressions using order of operations.

Create, extend, and analyze patterns.

### 2.3 Geometry



Identify and interpret a coordinate grid and ordered pairs.

Analyze and classify geometric figures by their properties

### 2.4 Measurement and Data



Solve problems using simple conversions of measurement.

Organize, display, and answer questions based on data.

Apply concepts of volume to solve problems.