

# Am I Ready for 7<sup>th</sup> grade math?

## Unit 1: Numbers & Operations

### Negative Numbers

Add and subtract integers with models and manipulation

Multiply and divide integers with models and manipulation

[Ck-12: Positives and negatives](#)

### Number Sense

Define and demonstrate exponential notation

[Ck-12: Whole number exponents](#)

Write large and small numbers using scientific notation

[Ck-12: Scientific notation](#)

Apply order of operations to simplify expressions

[Ck-12: Order of operations](#)

### Fractions, Decimals, & Percents

Add and subtract fractions

[Ck-12: Adding fractions](#)

Add and subtract decimals

[Ck-12: Adding and subtracting decimals](#)

Multiply and divide decimals

[Ck-12: Dividing decimals](#)

Multiply fractions and mixed numbers

[Video: Multiplying fractions](#)

Divide fractions and mixed numbers

[Ck-12: Dividing fractions](#)

Convert between fractions, decimals, and percent

[Ck-12: Converting between fractions and decimals](#)

## Unit 2: Algebra

Evaluate expressions by substitution

[Ck12: Evaluating expressions \(substitutions\)](#)

Solve simple one-step equations

[Ck-12: Solving equations by addition](#)

[Ck-12: Solving equations with multiplication](#)

Write, solve, and apply proportions

[Ck-12: Proportions](#)

### Unit 3: Measurements

Convert standard to standard measurements

[Ck-12: Converting units 1](#)

[Ck-12: Converting units 2](#)

### Unit 4: Geometry

Identify properties of vertical, adjacent, and straight angle

[Ck-12: Angles](#)

Calculate the area of squares, triangles, rectangles, parallelograms, and circles

[Video: properties of quadrilaterals](#)

[Ck-12: Area of quadrilaterals](#)

[Ck-12: Area of circles](#)

Understand and graph in the coordinate plane in all quadrants

[Ck-12: Graphing on a coordinate plane](#)

### Unit 5: Statistics & Probability

Measures of central tendency: mean, median, mode, and range

[Ck-12: Mean, median, mode, and range](#)

Interpret and analyze dot plots, line graphs, bar graphs, histograms, & circle graphs

[Ck-12: Histograms](#)

[Ck-12: Dot plots](#)

Calculate probabilities of dependent and independent events

[Ck-12: Probability](#)

Define and calculate theoretical probability

[Ck-12: Theoretical probability](#)