

Negative numbers: Addition and Subtraction

- Intro to adding negative numbers
- Intro to subtracting negative numbers
- Adding & subtracting with negatives on the number line
- Adding & subtracting integers
- Adding & subtracting negative fractions
- Addition & subtraction word problems with negatives
- Absolute value: Negative numbers
- Properties of addition & subtraction
- Adding & subtracting negative numbers: variables

Negative numbers: Multiplication and Division

- Multiply & divide negative numbers
- Multiplication & division word problems with negatives
- Understanding multiplying and dividing fractions
- Multiply & divide negative fractions
- Order of operations
- Properties of multiplication & division

Fractions, Decimals, & Percentages

- Converting fractions to decimals
- Adding & subtracting rational numbers
- Percent word problems
- Rational number word problems

Rates & Proportional Relationships

- Rate problems with fractions
- Constant of proportionality
- Compare and interpret constants of proportionality
- Identifying proportional relationships
- Graphs of proportional relationships
- Writing & solving proportions
- Equations of proportional relationships

Expressions, Equations, & Inequalities

- Combining like terms
- The distributive property & equivalent expressions
- Interpreting linear expressions
- Two-step equations intro
- Two-step equations with decimals and fractions
- Two-step equation word problems
- One-step inequalities
- Two-step inequalities

Geometry

- Area and circumference of circles
- Area and circumference challenge problems
- Vertical, complementary, and supplementary angles
- Missing angle problems
- Constructing triangles
- Slicing geometric shapes
- Scale copies
- Scale drawings
- Volume and surface area word problems

Statistics and Probability

- Basic probability
- Probability models
- Compound events and sample spaces
- Comparing and sampling populations