

Currently in Acc Math 6 (Covering Acc Math 7) Khan Academy Assignments

Math 7 Topics

- Combining like terms with negative coefficients and distribution
- Combining like terms with rational coefficients
- Distributive property with variables (negative numbers)
- Equivalent expressions: negative numbers and distribution
- Interpreting linear expressions
- Writing expressions word problems
- **Quiz: Expression, equations, and inequalities Quiz 1**
- Two-step equations with decimals and fractions
- Find the mistake: two-step equations
- Interpret two-step equation word problems
- Two-step equation word problems
- **Quiz: Expressions, equations, and inequalities: Quiz 2**
- Two-step inequalities
- Two-step inequality word problems
- **Quiz: Expressions, equation, and inequalities: Quiz 3**
- **Expression, equations, and inequalities: Unit Test**
- Identifying supplementary, complementary, and vertical angles
- Complementary and supplementary angles (visual)
- Complementary and supplementary angles (no visual)
- Vertical angles
- Finding angles measure between intersecting lines
- Finding missing angles
- Create equations to solve for missing angles
- Unknown angles problems (with algebra)
- **Quiz: Geometry: Quiz 2**
- Triangle side length rules
- Cross-section of 3D objects (basic)
- **Quiz: Geometry: Quiz 3**
- Scale drawing
- Construct scale drawings
- Relate scale drawings to area
- **Quiz: Geometry: Quiz 4**
- Volume and surface area word problems
- Simple probability
- Comparing probabilities
- Making predictions with probability
- Probability Models
- **Quiz: Statistics and probability: Quiz 1**
- Sample spaces for compound event
- Probabilities of compound events
- The counting principle
- Valid claims
- Making inferences from random samples
- **Quiz: Statistics and probability: Quiz 2**
- **Unit Test: Statistics and probability: Unit Test**

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Math 8 Topics

- Converting repeating decimals to fractions: Exercise
- Converting multi-digit repeating decimals to fractions: Exercise
- Square roots: Exercise
- Cube roots: Exercise
- Equations with square roots & cube roots: Exercise
- Roots of decimals & fractions: Exercise
- Equations with square roots: decimals & fractions: Exercise
- Square and cube challenge: Exercise
- **Numbers and Operations: Quiz 1**
- Classify number: rational & irrational: Exercise
- Approximating square roots: Exercise
- Comparing irrational numbers: Exercise
- **Numbers and Operations: Quiz 2**
- Multiply powers: Exercise
- Powers of powers: Exercise
- Divide powers: Exercise
- Powers of products & quotients: Exercise
- Negative exponents: Exercise
- Multiply & divide powers (integer exponents): Exercise
- Powers of products & quotients (integer exponents): Exercise
- **Numbers and operations: Quiz 3**
- Multiplication and division with powers of ten: Exercise
- Approximating with powers of 10: Exercise
- Scientific notation: Exercise
- Multiplying & dividing in scientific notation: Exercise
- Adding & subtracting in scientific notation: Exercise
- Scientific notation word problems: Exercise
- **Numbers and operations: Quiz 4**
- **Numbers and operations: Unit Test**
- Equations with variables on both sides: Exercise
- Equations with variables on both sides: decimals & fractions: Exercise
- Equations with parentheses: Exercise
- Equations with parentheses: decimals & fractions: Exercise
- **Solving equations with one unknown: Quiz 1**
- Number of solutions to equations: Exercise
- Sums of consecutive integers: Exercise
- **Solving equations with one unknown: Quiz 2**
- **Solving equations with one unknown: Unit Test**
- Rates & proportional relationships: Exercise
- Graphing proportional relationships: Exercise
- Solutions to 2-variable equations: Exercise
- Complete solutions to 2-variable equations: Exercise
- **Linear equations and functions: Quiz 1**
- Intercepts from a graph: Exercise
- Intercepts form an equation: Exercise
- Slope from graph: Exercise
- Slope from two points: Exercise
- Slope from equation: Exercise
- **Linear equations and functions: Quiz 2**
- Slope-intercept intro: Exercise
- Graph from slope-intercept form: Exercise
- Slope-intercept equation from graph: Exercise
- Slope-intercept from two points: Exercise
- **Linear equations and functions: Quiz 3**
- Evaluate functions: Exercise
- Evaluate functions from their graph: Exercise
- Function rules from equations: Exercise
- Linear equations words problems: graphs: Exercise
- Linear equations word problems: Exercise
- Linear models word problems: Exercise
- Compare linear functions: Exercise
- Comparing linear functions word problems: Exercise
- Graphing linear relationships word problems: Exercise
- Writing linear functions word problems: Exercise
- Recognize functions from tables: Exercise
- Recognize functions from graphs: Exercise
- Linear & nonlinear functions: Exercise
- Interpreting graphs of functions: Exercise
- **Linear equations and functions: Quiz 4**

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- **Linear equations and functions: Unit Test**
- Solutions of systems of equations: Exercise
- Systems of equations with graphing: Exercise
- Systems of equations with substitution: Exercise
- **Systems of equations: Quiz 1**
- Number of solutions to a system of equations graphically: Exercise
- Number of solutions to a system of equations algebraically: Exercise
- Age word problems: Exercise
- Systems of equations word problems: Exercise
- **Systems of equations: Quiz 2**
- **Systems of equations: Unit Test**
- Angle relationships with parallel lines: Exercise
- Equation practice with angle addition: Exercise
- Find angles in triangles: Exercise
- Find angles in isosceles triangles: Exercise
- Finding angle measures using triangles: Exercise
- **Geometry: Quiz 1**
- Use Pythagorean theorem to find isosceles triangle side lengths: Exercise
- Right triangle side lengths: Exercise
- Use area of squares to visualize Pythagorean theorem: Exercise
- **Geometry: Quiz 2**
- Distance between two points: Exercise
- **Geometry: Quiz 3**
- Volume of cylinders: Exercise
- Volume of spheres: Exercise
- Volume of cones: Exercise
- Volume of cylinders, spheres, and cones word problems: Exercise
- **Geometry: Quiz 4**
- **Geometry: Unit Test**
- Identify transformations: Exercise
- Translate points: Exercise
- Translate shapes: Exercise
- Determine translations: Exercise
- **Geometric transformations: Quiz 1**
- Rotate points (basic): Exercise
- Determine rotations (basic): Exercise
- **Geometric transformations: Quiz 2**
- Reflect points: Exercise
- Reflect shapes: Exercise
- Determine reflections: Exercise
- **Geometric transformations: Quiz 3**
- Find measures using rigid transformations: Exercise
- Rigid transformations: Preserved properties: Exercise
- Mapping shapes: Exercise
- **Geometric transformations: Quiz 4**
- Dilate points: Exercise
- Dilations: scale factor: Exercise
- Dilate triangles: Exercise
- Dilations and properties: Exercise
- **Geometric transformations: Quiz 5**
- Congruence & transformations: Exercise
- Similarity & transformations: Exercise
- **Geometric transformations: Quiz 6**
- **Geometric transformations: Unit Test**
- Constructing scatter plots: Exercise
- Making appropriate scatter plots: Exercise
- Positive and negative linear associations from scatter plots: Exercise
- Describing trends in scatter plots: Exercise
- **Data and modeling: Quiz 1**
- Eyeballing the line of best fit: Exercise
- Estimating the slope of line of best fit: Exercise
- Estimating equations of lines of best fit, and using them to make predictions: Exercise
- **Data and modeling: Quiz 2**
- Read two-way frequency tables: Exercise
- Create two-way frequency tables: Exercise
- Analyze two-way frequency tables: Exercise
- Create two-way relative frequency tables: Exercise
- Interpret two-way tables: Exercise
- **Data and modeling: Quiz 3**
- **Data and modeling: Unit Test**