

Topic: Unit 2: Linear Equations

Days: 12

Subject(s):

Grade(s):

Know:	Understand:	Do:
<p>Key vocabulary</p> <p>Properties of equality</p> <p>Multi-step equations</p> <p>Ratios and proportions</p> <p>Unit and dimensional analysis</p> <p>Mixture and uniform motion equations</p>	<p>Applying basic operations, formulas, and properties of equality to linear equations, ratios, and proportions.</p>	<p>Solve one-step equations</p> <p>Solve multi-step equations</p> <p>Identify and apply properties of equality</p> <p>Solve literal equations for a specified variable</p> <p>Symbolically represent and solve multi-step and real-world applications that involve linear equations</p> <p>Simplify algebraic ratios</p> <p>Solve algebraic proportions</p> <p>Determine if ratios are equivalent</p> <p>Use formulas to solve real-world equations</p> <p>Solve unit and dimensional analysis equations</p> <p>Solve mixture and uniform motion equations</p>

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Subject standards are students learning in this unit?

Grade(s):

MA.912.A.3.1 Solve linear equations in one variable that includes simplifying algebraic expressions.

MA.912.A.3.3 Solve literal equations for a specified variable.

MA.912.A.3.5 Symbolically represent and solve multi-step and real world applications that involve linear equations and inequalities.

MA.912.A.5.1 Simplify algebraic ratios.

MA.912.A.5.4 Solve algebraic proportions.

MA.912.A.10.3 Decide whether a given statement is always, sometimes, or never true (statements involving linear expressions, equations, or inequalities).