

Topic: UNIT 3 SOLVING LINEAR EQUATIONS

Days: 15

Subject(s):

Grade(s):

Key Learning: How a real world situation can be modeled by linear equation and a solution can be predicted.



Unit Essential Question(s): How to model real world situation using linear equations and provide a solution to the problem?



Concept:
Arithmetic manipulation of linear equations

Concept:
Algebraic manipulation of linear equations



Lesson Essential Question(s):
How do you solve one-step equations using addition, subtraction, multiplication, division? (A)

How do you solve two-step equations? (A)

How do you solve multi-step equations? (A)

How do you solve equations with variables represented on both side of the equal sign? (A)

Lesson Essential Question(s):
How do you find ratios and write and solve proportions? (A)

How do you solve proportions using cross products? (A)

How do you solve percent proportions problems? (A)

How do you solve (rewrite) equations in terms of other variables? (A)



Vocabulary:
inverse operation, equivalent equations, reciprocal, like terms, input, output, distributive property, identity

Vocabulary:
cross product, scale, scale drawing, scale model, ratio, proportion, simplest form, percent, proportion, literal equations, formula

Additional Information:
Unit 3 sections 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.8

Attached Document(s):

Vocab Report for Topic: UNIT 3 SOLVING LINEAR EQUATIONS
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Concept: Arithmetic manipulation of linear equations

inverse operation, equivalent equations, reciprocal, like terms, input, output, distributive property, identity -

Concept: Algebraic manipulation of linear equations

cross product, scale, scale drawing, scale model, ratio, proportion, simplest form, percent, proportion, literal equations, formula -