

Topic: Unit 1: Expressions, Equations and Functions
 Subject(s):

Days: 9
 Grade(s):

Key Learning: How do numerical and algebraic expressions represent real world situations which can be analyzed by the graph of the expression as a function. How to use Venn Diagrams and set notation?



Unit Essential Question(s): How are evaluating numerical and algebraic expression used to solve real world problems?



Concept:
Arithmetic manipulation of numerical and algebraic expression

Concept:
Algebraic manipulations of expressions



Lesson Essential Question(s):
 How do you use order of operations with multiple mathematical operators? (A)

 How do you use and apply the mathematical properties of equality, identity, commutative, associative? (A)

Lesson Essential Question(s):
 How do you use and apply the distributive property of mathematics? (A)

 How do you solve and evaluate one variable equations? (A)

 How to use Venn Diagrams and Set Notation? (A)



Vocabulary:
 evaluate, order of operations, equivalent expressions, additive identity, multiplicative identity, multiplicative inverse, reciprocal, algebraic expression, variable, term, factor, product, power, exponent, base

Vocabulary:
 like terms, simplest form, coefficient, open sentence, equation, solving, solution, replacement set, set, element, solution set, identity, like terms, simplest form, coefficient, open sentence, equation, solving, solution, replacement set, set, element, solution set, identity, venn diagrams, set notation

Additional Information:
 Sections 1.2, 1.3, 1.4, 1.5, Review sections 1.1 Supplemental: Venn Diagram and Set Notation packet

Attached Document(s):

Vocab Report for Topic: Unit 1: Expressions, Equations and Functions
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Concept: Arithmetic manipulation of numerical and algebraic expression

evaluate, order of operations, equivalent expressions, additive identity, multiplicative identity, multiplicative inverse, reciprocal, algebraic expression, variable, term, factor, product, power, exponent, base -

Concept: Algebraic manipulations of expressions

like terms, simplest form, coefficient, open sentence, equation, solving, solution, replacement set, set, element, solution set, identity -

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