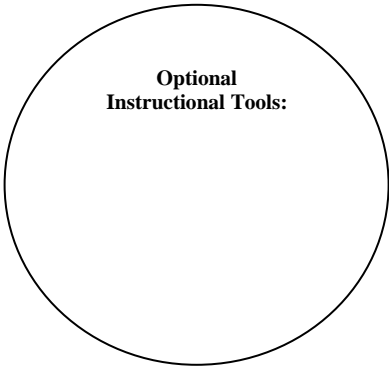


Topic: Linear Equations A1.1.2

Key Learning(s): The students will
 Write, solve, and/or graph linear equations using various
 methods. A1.1.2.1



Unit Essential Question(s):
 How do you write, solve, and/or graph linear equations using
 various methods? A1.1.2.1

Concept: Write, solve, and/or apply a linear equation. A1.1.2.1.1	Concept: Use and/or identify an algebraic property to justify any step in an equation-solving process. A1.1.2.1.2	Concept: Interpret solutions to problems in the context of the problem situation A1.1.2.1.3
Lesson Essential Questions: 1. How do you write, solve, and/or apply a linear equation?	Lesson Essential Questions: 1. How do you use and/or identify any step in an equation-solving process?	Lesson Essential Questions: 1. How do you interpret solutions to problems in the context of the problem situation?
Vocabulary: Linear equation	Vocabulary:	Vocabulary:

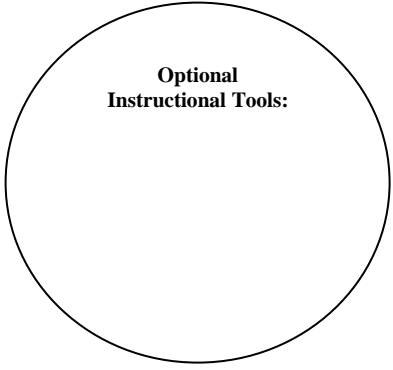
Concept:	Concept:	Concept:
Lesson Essential Questions: 1.	Lesson Essential Questions: 1.	Lesson Essential Questions:
Vocabulary:	Vocabulary:	Vocabulary:

Attached Document(s):

Additional Info:
 Enhanced Standards 2.1.A1.F, 2.8.A1.F

Topic: Linear Equations A1.1.2

Key Learning(s): The students will
Write, solve, and/or graph linear equations using various methods. A1.1.2.2



Unit Essential Question(s):
How do you write, solve, and/or graph linear equations using various methods?

Concept: Write and/or solve a system of linear equations (including problem situations) using graphing, substitution, and/or elimination. A1.1.2.2.1	Concept: Interpret solutions to problems in the context of the problem situation. Note: 2 systems A1.1.2.2.2	Concept:
Lesson Essential Questions: 1. How do you solve a system of equations?	Lesson Essential Questions: 1. How do you solve a word problem system of equations?	Lesson Essential Questions: 1.
Vocabulary: System of equations	Vocabulary:	Vocabulary:

Concept:	Concept:	Concept:
Lesson Essential Questions: 1.	Lesson Essential Questions: 1.	Lesson Essential Questions:
Vocabulary:	Vocabulary:	Vocabulary:

Attached Document(s):

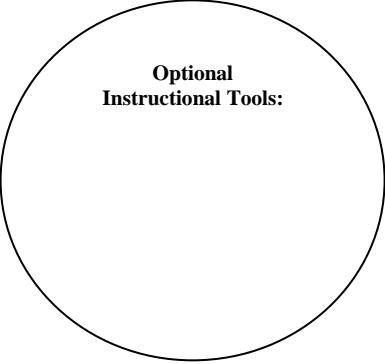
Additional Info:

Topic: Linear Inequalities

Key Learning(s): The students will

1. Write, solve and/or graph linear inequalities using various methods. A1.1.3.1

Optional
Instructional Tools:



Unit Essential Question(s):

How do you write, solve and/or graph linear inequalities using various methods?

Concept: Write or solve compound inequalities and/or graph their solution sets on a number line (include absolute value inequalities). A1.1.3.1.1.	Concept: Identify or graph the solution set to a linear inequality on a number line. A1.1.3.1.2	Concept: Interpret solutions to problems in the context of the problem situation. A1.1.3.1.3
Lesson Essential Questions: 1. How do you write or solve compound inequalities?	Lesson Essential Questions: 1. How do you identify or graph the solution set to a linear inequality on a number line?	Lesson Essential Questions: 1. How do you interpret solutions to problems in the context of the problem situation?
Vocabulary: Compound inequalities, absolute value	Vocabulary:	Vocabulary:

Attached Document(s):

Additional Info:

Topic:

Key Learning(s): The students will
Write, solve and/or graph linear inequalities using various
methods. A1.1.3.1

**Optional
Instructional Tools:**

Unit Essential Question(s):
How do you write, solve and/or graph linear inequalities using
various methods?

Concept: Write and/or solve a system of linear inequalities using graphing. 2 systems only. A1.1.3.2.1	Concept: Interpret solutions to problems in the context of the problem situation. 2 systems only. A1.1.3.2.2	Concept:
Lesson Essential Questions: 1. How do you write and/or solve a system of linear inequalities using graphing?	Lesson Essential Questions: 1. How do you interpret solutions to problems in the context of the problem situation?	Lesson Essential Questions: 1.
Vocabulary:	Vocabulary:	Vocabulary:

Concept:	Concept:	Concept:
Lesson Essential Questions: 1.	Lesson Essential Questions: 1.	Lesson Essential Questions:
Vocabulary:	Vocabulary:	Vocabulary:

Attached Document(s):

Additional Info:

Topic:

Key Learning(s): The students will

**Optional
Instructional Tools:**

Unit Essential Question(s):

Concept:	Concept:	Concept:
Lesson Essential Questions: 1.	Lesson Essential Questions: 1.	Lesson Essential Questions: 1.
Vocabulary:	Vocabulary:	Vocabulary:

Concept:	Concept:	Concept:
Lesson Essential Questions: 1.	Lesson Essential Questions:	Lesson Essential Questions:
Vocabulary:	Vocabulary:	Vocabulary:

Attached Document(s):

Additional Info:

Topic:

Key Learning(s): The students will

**Optional
Instructional Tools:**

Unit Essential Question(s):

Concept:	Concept:	Concept:
Lesson Essential Questions: 1.	Lesson Essential Questions: 1.	Lesson Essential Questions: 1.
Vocabulary:	Vocabulary:	Vocabulary:

Concept:	Concept:	Concept:
Lesson Essential Questions:	Lesson Essential Questions:	Lesson Essential Questions:
Vocabulary:	Vocabulary:	Vocabulary:

Attached Document(s):

Additional Info:

Topic:

Key Learning(s): The students will

**Optional
Instructional Tools:**

Unit Essential Question(s):

Concept:	Concept:	Concept:
Lesson Essential Questions: 1.	Lesson Essential Questions: 1.	Lesson Essential Questions: 1.
Vocabulary:	Vocabulary:	Vocabulary:

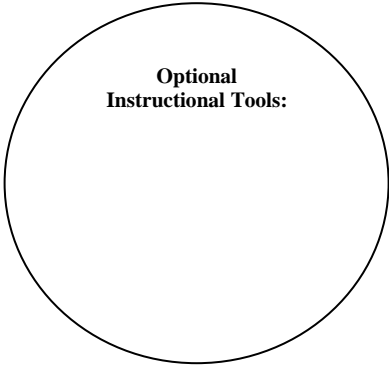
Concept:	Concept:	Concept:
Lesson Essential Questions: 1.	Lesson Essential Questions: 1.	Lesson Essential Questions:
Vocabulary:	Vocabulary:	Vocabulary:

Attached Document(s):

Additional Info:

Topic:

Key Learning(s): The students will



Unit Essential Question(s):

Concept:	Concept:	Concept:
Lesson Essential Questions: 1.	Lesson Essential Questions: 1.	Lesson Essential Questions: 1.
Vocabulary:	Vocabulary:	Vocabulary:

Concept:	Concept:	Concept:
Lesson Essential Questions: 1.	Lesson Essential Questions: 1.	Lesson Essential Questions: 1.
Vocabulary:	Vocabulary:	Vocabulary:

Attached Document(s):

Additional Info:

Topic:

Key Learning(s): The students will

**Optional
Instructional Tools:**

Unit Essential Question(s):

Concept:	Concept:	Concept:
Lesson Essential Questions:	Lesson Essential Questions:	Lesson Essential Questions:
Vocabulary:	Vocabulary:	Vocabulary:

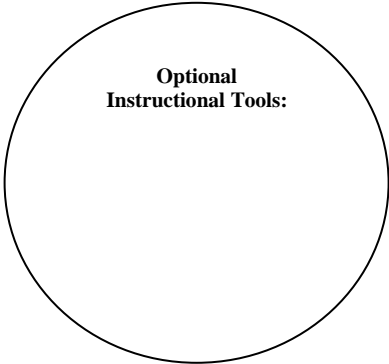
Concept:	Concept:	Concept:
Lesson Essential Questions: 1.	Lesson Essential Questions: 1.	Lesson Essential Questions:
Vocabulary:	Vocabulary:	Vocabulary:

Attached Document(s):

Additional Info:

Topic: Operations with Real Numbers and Expressions

Key Learning(s): The students will
 1. Represent and/or use numbers in equivalent forms A1.1.1.1



Unit Essential Question(s):
How can you represent equivalent forms of numbers?

Concept: Compare/Order Real Numbers A1.1.1.1	Concept: Simplify Square Roots A1.1.1.2	Concept:
Lesson Essential Questions: 1. How do you compare and/or real numbers?	Lesson Essential Questions: 1. How do you simplify a square root?	Lesson Essential Questions: 1.
Vocabulary: Rationanl, Irrational Number	Vocabulary: Square Root	Vocabulary:

Concept:	Concept:	Concept:
Lesson Essential Questions: 1.	Lesson Essential Questions: 1.	Lesson Essential Questions:
Vocabulary:	Vocabulary:	Vocabulary:

Attached Document(s):

Additional Info:
 Enhanced standard: 2.1.A1.A

Topic: Topic: Operations with Real Numbers and Expressions

Key Learning(s): The students will

Apply number theory concepts to show relationships between real numbers in problem-solving settings. A1.1.1.2

**Optional
Instructional Tools:**

Unit Essential Question(s):

How do you apply number theory concepts to show relationships between real numbers in problem-solving settings?

Concept: Find the Greatest Common Factor and/or the Least Will Common Multiple for sets of monomials. A1.1.1.2.1	Concept:	Concept:
Lesson Essential Questions: 1. How do you find the GCF and LCM?	Lesson Essential Questions: 1.	Lesson Essential Questions: 1.
Vocabulary: GCF, LCM	Vocabulary:	Vocabulary:

Concept:	Concept:	Concept:
Lesson Essential Questions: 1.	Lesson Essential Questions: 1.	Lesson Essential Questions:
Vocabulary:	Vocabulary:	Vocabulary:

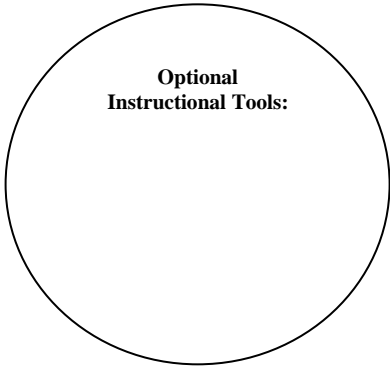
Attached Document(s):

Additional Info:

Enhanced Standard 2.1.A1.E

Topic: Operations with Real Numbers and Expressions

Key Learning(s): The students will
 1. Use exponents, roots, and/or absolute values to solve problems. A1.1.1.3



Unit Essential Question(s):
 How do you use exponents, roots, and/or absolute values to solve problems?

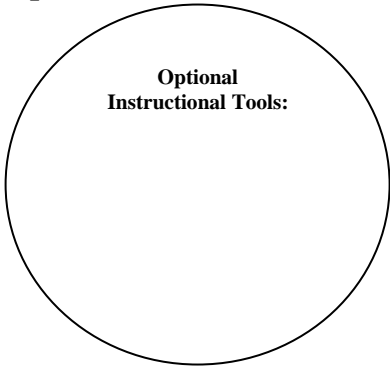
Concept: Simplify/evaluate expressions involving properties/laws of exponents, roots, and/or absolute values to solve problems.A1.1.1.3.1	Concept:	Concept:
Lesson Essential Questions: 1. How do you simplify/evaluate expressions involving properties/laws of exponents, roots and absolute values?	Lesson Essential Questions: 1.	Lesson Essential Questions: 1.
Vocabulary: Absolute value, exponents, roots	Vocabulary:	Vocabulary:

Attached Document(s):

Additional Info:
 Enhanced 2.2.A1.C

Topic: Operations with Real Numbers and Expressions

Key Learning(s): The students will
 Use estimation strategies in problem-solving situations.
 A.1.1.4



Unit Essential Question(s):
 How do you use estimation strategies in problem solving situations?

Concept: Use estimation to solve problems. A1.1.1.4.1	Concept:	Concept:
Lesson Essential Questions: 1. How do you use estimation to solve problems?	Lesson Essential Questions: 1.	Lesson Essential Questions: 1.
Vocabulary:	Vocabulary:	Vocabulary:

Concept:	Concept: Rights and Responsibilities of Citizenship	Concept:
Lesson Essential Questions: 1.	Lesson Essential Questions: 1.	Lesson Essential Questions:
Vocabulary:	Vocabulary:	Vocabulary:

Attached Document(s):

Additional Info:
 Enhanced 2.2A1.C

Topic: Operations with Real Numbers and Expressions

Key Learning(s): The students will
Simplify expressions involving polynomials. A1.1.1.5

**Optional
Instructional Tools:**

Unit Essential Question(s):
How do you simplify expressions involving polynomials?

Concept: Add, subtract, and/or multiply polynomial expressions? A1.1.1.5.1	Concept: Factor algebraic expressions, including binomials and trinomials? A1.1.1.5.2	Concept: Simplify/reduce a rational algebraic expression? A.1.1.1.5.3
Lesson Essential Questions: 1. How do you add, subtract, and/or multiply polynomial expressions?	Lesson Essential Questions: 1. How do you factor binomials and trinomials?	Lesson Essential Questions: 1. How do you reduce a rational algebraic expression?
Vocabulary: Polynomial expressions	Vocabulary: Binomials, trinomials	Vocabulary: Rational algebraic expression

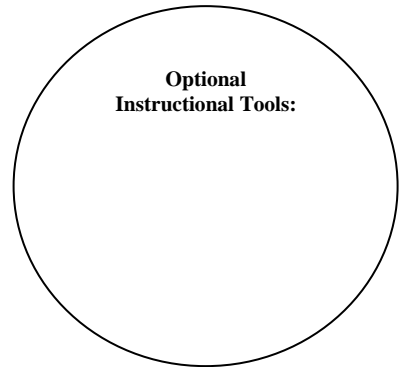
Concept:	Concept:	Concept:
Lesson Essential Questions: 1.	Lesson Essential Questions:	Lesson Essential Questions:
Vocabulary:	Vocabulary:	Vocabulary:

Attached Document(s):

Additional Info:
Enhanced Standard 2.8.A1.B

Topic:

Key Learning(s): The students will



Unit Essential Question(s):

Concept:	Concept:	Concept:
Lesson Essential Questions: 1.	Lesson Essential Questions: 1.	Lesson Essential Questions: 1.
Vocabulary:	Vocabulary:	Vocabulary:

Concept:	Concept:	Concept:
Lesson Essential Questions:	Lesson Essential Questions:	Lesson Essential Questions:
Vocabulary:	Vocabulary:	Vocabulary:

Attached Document(s):

Additional Info:

Topic:

Key Learning(s): The students will

**Optional
Instructional Tools:**

Unit Essential Question(s):

Concept:	Concept:	Concept:
Lesson Essential Questions: 1.	Lesson Essential Questions: 1.	Lesson Essential Questions: 1.
Vocabulary:	Vocabulary:	Vocabulary:

Concept:	Concept:	Concept:
Lesson Essential Questions: 1.	Lesson Essential Questions: 1.	Lesson Essential Questions:
Vocabulary:	Vocabulary:	Vocabulary:

Attached Document(s):

Additional Info:

Topic:

Key Learning(s): The students will

**Optional
Instructional Tools:**

Unit Essential Question(s):

Concept:	Concept:	Concept:
Lesson Essential Questions: 1.	Lesson Essential Questions: 1.	Lesson Essential Questions: 1.
Vocabulary:	Vocabulary:	Vocabulary:

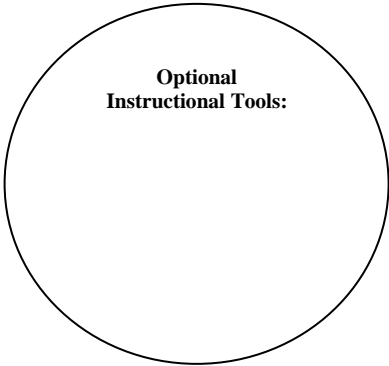
Concept:	Concept:	Concept:
Lesson Essential Questions: 1.	Lesson Essential Questions: 1.	Lesson Essential Questions: 1.
Vocabulary:	Vocabulary:	Vocabulary:

Attached Document(s):

Additional Info:

Topic:

Key Learning(s): The students will



Unit Essential Question(s):

Concept:	Concept:	Concept:
Lesson Essential Questions:	Lesson Essential Questions:	Lesson Essential Questions:
Vocabulary:	Vocabulary:	Vocabulary:

Concept:	Concept:	Concept:
Lesson Essential Questions: 1.	Lesson Essential Questions: 1.	Lesson Essential Questions:
Vocabulary:	Vocabulary:	Vocabulary:

Attached Document(s):

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