**Monday (09/12)**

**Standard:**

6.NS.C.5.:Understand that positive and negative numbers are used together to describe quantities having opposite directions or values use positive and negative numbers to represent quantities in real-world contexts, explaining the meaning of 0 in each situation.

6.NS.C.6.A.:Recognize opposite signs of numbers as indicating locations on opposite sides of 0 on the number line; recognize that the opposite of the opposite of a number is the number itself

**Objective:**

SWBAT

1. Identify integers and opposite of integers.
2. Order and compare the integers
3. use integers to represent real-life quantities and explain the meaning of 0 in each context

**Procedures**

**Bell work**: review their prior knowledge of the number system (5 minutes)

**Instruction:**

 Example One: Opposite of integers: temperature ( 5 minutes)

 Example two: Compare and order integers; Number line ( 5 minutes)

 Example Three: use integers to represent real life quantities (elevation) ( 5 minutes)

**Practice:**

 2. Practice on page 68 (10 minutes)

 3. Go over those questions (5 minutes)

**Closure:** review the vocabulary and concepts (5 minutes).

**Assessment ( 5 minutes)**

Formative assessment and Exit tickets

Homework (30 minutes)

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**TUESDAY (09/13)**

**Standard**

**6.NS. 6.C:** Find and position integers and other rational numbers on a horizontal or vertical number line diagram; find and position pairs of integers and other rational numbers on a coordinate plane.

6.NS.7.A: Interpret statements of inequality as statements about the relative position of two numbers on a number line diagram.

**Objective:**

SWBAT

 1. Identify rational numbers

 2. Convert a integer into Fraction

 3. Convert a fraction into decimal and find the position of fraction on the number line

 4. Convert a decimal into fraction and find the position of decimals on the number line

**Procedures**

**Bell work:** Write a fraction into decimal and go over the homework (5minutes)

**Instruction:**

 Vocabulary: Rational number

 Example one: write integer into fraction, and draw it on the number line (5 minutes)

 Example two: write decimal into fraction, and draw it on the number line (5 minutes)

 Example three: write fractions into decimal and draw it on the number line (5 minutes)

 Example three: irrational numbers ( 5 minutes)

**Practice: (15 minutes)**

 Key concept: rational number

 Work sheet: convert fraction into decimal or convert decimal into Fraction (10 minutes)

**Closure: ( 5 minutes)**

Review the definition of Rational number and examples

**Assessment**

Formative assessment

Mini Quiz: write a decimal to fraction and write a fraction into decimal

Homework:

Worksheet: converting between decimals and fractions

**Wednesday (09/14)**

**Standard:**

**6.NS.6.C:** Find and position integers and other rational numbers on a horizontal or vertical number line diagram; find and position pairs of integers and other rational numbers on a coordinate plane.

6.NS.7.A: Interpret statements of inequality as statements about the relative position of two numbers on a number line diagram.

6.NS.7.B: Write, interpret, and explain statements of order for rational numbers in real-world contexts.

**Objective**

SWBAT

 1. Plot rational numbers on a number line

 2. Compare and order rational numbers

 3. Use rational numbers to represent real life quantities

**Procedures**

**Bell work:** Review rational number and homework ( 5 minutes)

**Instruction:**

Warm up: use questions to promote reasoning and problem solving: what are the elevations of those animals? Which numbers represent elevations  55-87-15

above sea level or under sea level? ( 5 minutes)

Example one: understanding Rational numbers ( 5 minutes)

Example two: Compare and order rational numbers (fractions and decimals, 5 minutes)

Example three: Interpret rational numbers in real life context ( 5 minutes)

**Practice:**

 Key concepts (2 minutes)

 Practice sheet: page 74 ( 13 minutes ) work by their own

**Closure:**

 review key concepts and vocabulary: rational number (5 minutes)

**Assessment (5 minutes)**

 Exit Tickets

**Homework:**

 Page 75. 15-20 and 21

**THURSDAY (09/15)**

**Standard**

**6.NS.6.C:** Find and position integers and other rational numbers on a horizontal or vertical number line diagram; find and position pairs of integers and other rational numbers on a coordinate plane.

6.NS.7.A: Interpret statements of inequality as statements about the relative position of two numbers on a number line diagram.

6.NS.7.B: Write, interpret, and explain statements of order for rational numbers in real-world contexts.

**Objective**

SWBAT

1. Compare and order rational number using position on number line
2. Explain the meaning of rational number in real life context.

**Procedures:**

**Bell work:** locate rational number on the number line and go over homework

**Instruction:**

Warm up: how to compare and order several rational numbers on the number line (5 minutes)

Examples: Page 76, question 25, 26 and 29 ( 10minutes)

Practice: Pair work on Additional work sheet (10minutes)

 Go over the work sheet (5 minutes)

**Closure**: Review the steps how to compare and order rational numbers

**Assessment** (7 minutes)

 Mini Quiz: four problems

**Homework:**

Page 75. 22, 23 and 24

**FRIDAY (09/16)**

**STANDARD**

6.NS.5.:Understand that positive and negative numbers are used together to describe quantities having opposite directions or values use positive and negative numbers to represent quantities in real-world contexts, explaining the meaning of 0 in each situation.

6.NS.6.A.:Recognize opposite signs of numbers as indicating locations on opposite sides of 0 on the number line; recognize that the opposite of the opposite of a number is the number itself
6.NS.6.C: Find and position integers and other rational numbers on a horizontal or vertical number line diagram; find and position pairs of integers and other rational numbers on a coordinate plane.

6.NS.7.A: Interpret statements of inequality as statements about the relative position of two numbers on a number line diagram.

6.NS.7.B: Write, interpret, and explain statements of order for rational numbers in real-world contexts.

**OBJECTIVE**

SWBAT

1. find the position of rational numbers and opposites on the number line
2. compare and order the rational number using number line
3. interpret rational numbers in real life context.

**Procedure:**

Bell work: locate rational numbers on the number line (5 minutes)

Review the content ( 10 minutes)

Quiz (30 minutes)

**Assessment**

Quiz

**Homework**

Log onto [www.pearsonrealize.com](http://www.pearsonrealize.com) and watch the video tutorial: Virtual Nerd 2.1 and 2.2