## Learning Targets

### Rational Numbers

### Lesson 1: Positive and Negative Numbers

* I can explain what 0, positive numbers, and negative numbers mean in the context of temperature and elevation.
* I can use positive and negative numbers to describe temperature and elevation.
* I know what positive and negative numbers are.

### Lesson 2: Comparing Positive and Negative Numbers

* I can explain how to use the positions of numbers on a number line to compare them.
* I can explain what a rational number is.
* I can use inequalities to compare positive and negative numbers.
* I understand what it means for numbers to be opposites.

### Lesson 3: Ordering Rational Numbers

* I can compare and order rational numbers.
* I can use phrases like “greater than,” “less than,” and “opposite” to compare rational numbers.

### Lesson 4: Absolute Value of Numbers

* I can explain what the absolute value of a number is.
* I can find the absolute values of rational numbers.
* I can recognize and use the notation for absolute value.

### Lesson 5: Comparing Numbers and Distance from Zero

* I can explain what absolute value means in situations involving elevation.
* I can use absolute values to describe elevations.
* I can use inequalities to compare rational numbers and the absolute values of rational numbers.

### Lesson 6: Changing Temperatures

* I can use a number line to add positive and negative numbers.

### Lesson 7: Changing Elevation

* I understand how to add positive and negative numbers in general.

### Lesson 8: Money and Debts

* I understand what positive and negative numbers mean in a situation involving money.

### Lesson 9: Representing Subtraction

* I can explain the relationship between addition and subtraction of rational numbers.
* I can use a number line to subtract positive and negative numbers.

### Lesson 10: Subtracting Rational Numbers

* I can find the difference between two rational numbers.
* I can solve problems that involve adding and subtracting rational numbers.
* I understand how to subtract positive and negative numbers in general.

### Lesson 11: Constructing the Coordinate Plane

* I can plot points with negative coordinates in the coordinate plane.
* I know what negative numbers in coordinates tell us.
* When given points to plot, I can construct a coordinate plane with an appropriate scale and pair of axes.

### Lesson 12: Interpreting Points on a Coordinate Plane

* I can explain how rational numbers represent balances in a money context.
* I can explain what points in a four-quadrant coordinate plane represent in a situation.
* I can plot points in a four-quadrant coordinate plane to represent situations and solve problems.

### Lesson 13: Distances and Shapes on the Coordinate Plane

* I can find horizontal and vertical distances between points on the coordinate plane.
* I can plot polygons on the coordinate plane when I have the coordinates for the vertices.

### Lesson 14: Position, Speed, Direction

* I can explain what it means when time is represented with a negative number in a situation about speed and direction.
* I can multiply two negative numbers.
* I can use rational numbers to represent speed and direction.

### Lesson 15: Multiplying Rational Numbers

* I can solve problems that involve multiplying rational numbers.

### Lesson 16: Dividing Rational Numbers

* I can divide rational numbers.

### Lesson 17: Negative Rates

* I can solve problems that involve multiplying and dividing rational numbers.
* I can solve problems that involve negative rates.

### Lesson 18: Expressions with Rational Numbers

* I can add, subtract, multiply, and divide rational numbers.
* I can evaluate expressions that involve rational numbers.

### Lesson 19: Solving Equations with Rational Numbers

* I can solve equations that include rational numbers and have rational solutions.

### Lesson 20: Representing Contexts with Equations

* I can explain what the solution to an equation means for the situation.
* I can write and solve equations to represent situations that involve rational numbers.

### Lesson 21: Drawing on the Coordinate Plane

* I can use ordered pairs to draw a picture.

### Lesson 22: The Stock Market

* I can solve problems about the stock market using rational numbers and percentages.



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