

Learning Targets

Rational Number Arithmetic

Lesson 1: Interpreting Negative Numbers

- I can compare rational numbers.
- I can use rational numbers to describe temperature and elevation.

Lesson 2: Changing Temperatures

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

Lesson 3: Changing Elevation

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

Lesson 4: Money and Debts

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

Lesson 5: 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 6: Subtracting Rational Numbers

- I can find the difference between two rational numbers.
- I understand how to subtract positive and negative numbers in general.

Lesson 7: Adding and Subtracting to Solve Problems

- I can solve problems that involve adding and subtracting rational numbers.

Lesson 8: Position, Speed, and Direction

- I can multiply a positive number with a negative number.
- I can use rational numbers to represent speed and direction.

Lesson 9: Multiplying Rational Numbers

- 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.

Lesson 10: Multiply!

- I can solve problems that involve multiplying rational numbers.

Lesson 11: Dividing Rational Numbers

- I can divide rational numbers.

Lesson 12: Negative Rates

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

Lesson 13: Expressions with Rational Numbers

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

Lesson 14: Solving Problems with Rational Numbers

- I can represent situations with expressions that include rational numbers.
- I can solve problems using the four operations with rational numbers.

Lesson 15: Solving Equations with Rational Numbers

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

Lesson 16: 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 17: The Stock Market

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