

INTEGERS & RATIONAL NUMBERS

QUICK WRITES

- How can you use a number line to determine if -30 is greater or less than -55 ?
- What is an integer? Where are they used in “real life”?
- When is the sum of a positive and a negative integer positive? When is the sum negative?
- How does absolute value help when you are adding two negative integers?
- Why is subtracting integers similar to adding integers?
- How can you tell if a product or quotient will be positive or negative?
- Why is the sum of any number and its additive inverse zero?

VOCABULARY ACTIVITIES

Word Map

- Students must define the word, create synonyms, and provide examples.

Vocabulary Terms: integer, rational number, additive inverse

Writing Activities

Story Time

- Write a puzzle story involving integers. Your story should involve at least one of each type of operation (addition, subtraction, multiplication, division) and should include positive and negative integers. Your story should end with a question for the reader to answer. (For example: How much money does Sally have now?) As the reader follows your story, they should be able to do the math and figure out the end result of your story.

Poster Perfect

- Design a poster dedicated to operations with integers.

Dear Diary

- Write a diary entry to yourself in which you describe the properties of rational numbers. Summarize your notes into a meaningful description of the properties and how they are used. Provide examples to support your writing.

Rational Number Rap

- Write a “rap” or song lyrics to define rational numbers and explain how to compare and order them.