

NAME _____

Module 3 Integers
Lesson 1 Integers and Absolute Value



Set 1

1 Explain why a positive integer is always greater than a negative integer.

2 Which has the greater value: a number or the absolute value of that number?

Possible Answers

Set 1

1. The negative integers are to the left of the positive integers on the number line. So, a negative integer is always less than a positive integer. That is the same as saying a positive integer is always greater than a negative integer.



2. Sometimes a number and its absolute value are equal. If the number is zero or a positive number, then it is equal to its absolute value. The absolute value of a negative number is positive, so the absolute value of a negative number is always greater than the negative number.

number is positive or zero

$$|\text{number}| = \text{number}$$

number is negative

$$|\text{negative number}| > \text{negative number}$$