

Name: \_\_\_\_\_

# Introduction to Integers

Use the words in the box to complete each sentence.

negative      positive      minus      plus      left      right

1. Integers that are greater than zero are called \_\_\_\_\_ numbers.
2. Integers that are less than zero are called \_\_\_\_\_ numbers.
3. On a number line, the numbers located the furthest to the \_\_\_\_\_ have the greatest value.
4. On a number line, the numbers located the furthest to the \_\_\_\_\_ have the smallest value.
5. Negative numbers are always shown with a \_\_\_\_\_ sign.
6. Positive numbers sometimes have a \_\_\_\_\_ sign before them.

Now answer these questions.

7. Is it possible for a negative number to be greater than a positive number? Explain.

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8. What is the smallest negative integer? Explain.

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# ANSWER KEY

## Introduction to Integers

Use the words in the box to complete each sentence.

negative

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1. Integers that are greater than zero are called **positive** numbers.
2. Integers that are less than zero are called **negative** numbers.
3. On a number line, the numbers located the furthest to the **right** have the greatest value.
4. On a number line, the numbers located the furthest to the **left** have the smallest value.
5. Negative numbers are always shown with a **minus** sign.
6. Positive numbers sometimes have a **plus** sign before them.

Now answer these questions.

7. Is it possible for a negative number to be greater than a positive number. Explain.

**No, negative numbers are all less than positive numbers. All negative numbers are less than zero. All positive numbers are greater than zero.**

8. What is the smallest negative integer? Explain.

**There is no "smallest negative integer." You can have an infinite number of negative numbers.**