

Exploring Positive and Negative Integers

Welcome to Exploring Positive and Negative Integers!

In this worksheet, you will learn about positive and negative integers, how to represent them on a number line, and perform basic operations with them.

Integers are whole numbers that can be positive, negative, or zero. They can be represented on a number line, with positive integers to the right of zero and negative integers to the left.

What are Integers?	
Read the following definition and provide an example of an integer:	
Integers are whole numbers that can be positive, negative, or zero.	

Draw a number li	ine and plot the following integers: -3, 0, 2, -1, 4. Label each integer on the number line.
[Space for num	nber line]
What are Posit	tive and Negative Integers?
Read the following	ng definitions and provide examples:
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Activity 2: Sorting Integers
Sort the following integers into two groups: positive and negative. • -5 • 3 • -2 • 1 • -4 • 0
Basic Operations with Integers
Read the following examples and calculate the results:
You can perform basic operations such as addition and subtraction with integers.

Activity 3: Adding and Subtracting Integers
Calculate the following:
12 + 3 = ?
21 + (-2) = ?
3. 4 - 2 = ?
43 - (-1) = ?
Real-World Applications
Read the following scenarios and determine the integer that represents each situation:
Integers have many real-world applications, such as representing temperatures, financial transactions, and scores in games.
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following scenarios and determine the integer that represent have \$10 in your savings account and you spend \$5.	ts each situation:
u have \$10 in your savings account and you spend \$5.	
. , , , , , , , , , , , , , , , , , , ,	
e temperature outside is 5 degrees below zero.	
u score 2 points in a game and then lose 1 point.	

Conclusion

Congratulations! You have completed the introduction to positive and negative integers.

Remember that integers are whole numbers that can be positive, negative, or zero, and they have many real-world applications.

Assessment		
Answer the follow	ring questions to assess your understanding:	
1. What is the	definition of an integer?	
2. How do you	represent integers on a number line?	
-		
3. What is the	result of adding 2 and -3?	
Extension Activ	itv	
		para it with the alone
	eal-world scenario that involves integers and sh	iale it with the class.
[Space for scen	ario]	

Glossary

Define the following terms:

- Integer: a whole number that can be positive, negative, or zero
 Positive integer: a whole number greater than zero
 Negative integer: a whole number less than zero
 Number line: a visual representation of numbers on a line

Reflecti	
Reflect o	n what you have learned about positive and negative integers.
Individ	lual Reflection:
1. V	What was the most surprising thing you learned today?
2. F	How will this learning change your actions in the future?
į.	
3. V	What questions do you still have about environmental impact?
Į.	

