

Introduction to Integers and Absolute Value

Introduction to Integers	
Read the following introduction to integers and answer the questions that follow:	
Integers are whole numbers, either positive, negative, or zero, without a fractional part. Absorbers to the distance of a number from zero on the number line, always resulting in a non-understanding these concepts is crucial for more advanced mathematical operations and applications.	negative value.
What are Integers?	
Read the following description of integers and answer the questions that follow:	
Integers include all whole numbers, both positive and negative, including zero. For example 1, 2, 3,	e,, -3, -2, -1, 0,
1. What is an example of a positive integer?	
2. What is an example of a negative integer?	
3. What is the significance of zero in the set of integers?	
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What is Absolute Value?
Read the following description of absolute value and answer the questions that follow:
The absolute value of a number is its distance from zero on the number line. It is always non-negative. For example, the absolute value of -5 is 5, and the absolute value of 5 is also 5.
1. What is the absolute value of the number -3?
2. What is the absolute value of the number 0?
3. How does the absolute value of a number relate to its distance from zero?
Multiple Choice Questions
Choose the correct answer for each question:
 1. What is the absolute value of the number -3? A) -3 B) 3 C) 0 D) 1
2. If x = -2, what is the value of x ? • A) -2 • B) 2 • C) 0 • D) 1
 3. What is the result of subtracting a negative integer from a positive integer? A) Always negative B) Always positive C) Depends on the absolute values of the integers

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Short Answer Questions
Answer each question in complete sentences: 1. Provide an example of a real-life scenario where integers are used.
Explain the difference between the absolute value of a number and the number itself. Provide an example.
3. Solve for x in the equation x + 1 = 6.
3. Solve for X in the equation X + 1 = 0.
Fill-in-the-Blank Questions
Fill in the blanks with the correct answers:
 The set of integers includes all whole numbers, both and negative, including zero. When adding two integers with the same sign, we their absolute values and keep the same sign. In real-life scenarios, understanding integers and their operations is crucial for and financial planning.

nteger.	and mark the following integers: -5, -2, 0, 3, 6. Then, determine the absolute value of eac
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Activity 2: Real-L	ife Scenarios
	ife scenarios where integers are used. Write a short description of each scenario and is are applied in each case.
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Activity 3: Equation Solving	
Solve the following equations involving absolute values:	
1. x = 4	
2. x + 2 = 9	
3. x - 3 = 2	
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Conclusion	
Summarize what you have learned about integers and absolute values:	

Assessment

Use the following marking guide to assess your work:

Multiple Choice Questions: 1 point each

Short Answer Questions: 5 points each, based on accuracy and completeness of the answer

Fill-in-the-Blank Questions: 1 point each for correct completion

Activities: 10 points each, based on completeness and accuracy

Rubric for Short Answer Questions

Use the following rubric to assess short answer questions:

Accuracy (3 points): Is the answer correct?

Completeness (1 point): Does the answer fully address the question?

Example/Explanation (1 point): Is a relevant example or explanation provided?

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For students who need extra support or challenge, consider providing additional resources such as:

- Graphic organizers for short answer questionsBilingual resources or a dictionary for English language learners
- Additional challenging questions for gifted students
 Online platforms for practice and review

Reflection and Feedback	
Reflect on your learning and provide feedback:	

