

NUMBER LINE

Representing numbers in a linear, one-dimensional fashion, the number line is a foundational idea in mathematics. It consists of a straight line with zero as the central point, where numbers extend infinitely in both directions. This simple yet powerful tool is important for understanding arithmetic, algebra, and advanced concepts.

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Q1: How is the number -5 represented on a number line?

- A: To the left of 0
 - B: To the right of 0
 - C: At 0
 - D: It can't be represented on a number line.
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Q2: What is the sum of -3 and 5 on a number line?

- A: -8
 - B: 8
 - C: 2
 - D: 0
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Q3: On a number line to 100, where is the number 50 located?

- A: To the left
 - B: To the right
 - C: At the midpoint
 - D: It's not on the number line to 100.
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Q4: How is the number -5 represented on a number line?

- A: To the left of 0
 - B: To the right of 0
 - C: At 0
 - D: It can't be represented on a number line.
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Q5: What is the sum of -3 and 5 on a number line?

- A: -8
 - B: 8
 - C: 2
 - D: 0
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Q6: On a number line to 100, where is the number 50 located?

- A: To the left
 - B: To the right
 - C: At the midpoint
 - D: It's not on the number line to 100.
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Q7: How are negative numbers represented on a number line?

- A: To the right of 0
 - B: At the midpoint
 - C: To the left of 0
 - D: It varies.
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Q8: If you add -10 and 20 on a number line, what is the result?

- A: -30
 - B: 30
 - C: -10
 - D: 10
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Q9: On a number line to 100, where would you find the number -75?

- A: To the left
 - B: To the right
 - C: At the midpoint
 - D: It's not on the number line to 100.
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Q10: What does the absolute value of -8 represent on a number line?

- A: -8 units to the left of 0
 - B: 8 units to the right of 0
 - C: The distance between -8 and 0 on the number line
 - D: It cannot be determined from this information.
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Answers

Q1: A - To the left of 0

Q2: C - 2

Q3: C - At the midpoint

Q4: A - To the left of 0

Q5: C - 2

Q6: C - At the midpoint

Q7: C - To the left of 0

Q8: B - 30

Q9: A - To the left

Q10: B - 8 units to the right of 0