Middle School Pre-Algebra Basics

Mathematics · Answer Key · 10 Questions

1. What is the absolute value of -15?

A) -15
B) 15
C) 0
D) -1

2. Which property of addition is demonstrated by the equation 4 + 7 = 7 + 4?

A) Associative Property
B) Commutative Property
C) Distributive Property
D) Identity Property

3. According to the order of operations, which operation should be performed first in 3 + 5 × 4?

A) 3 + 5
B) 5 × 4
C) 3 + 4
D) 3 × 4

4. What is the value of 5 to the power of 0 (50)?

A) 0
B) 1
C) 5
D) 10

5. Which of the following numbers is a prime number?

A) 9
B) 15
C) 17
D) 21

6. In the Cartesian coordinate plane, which quadrant contains points where both coordinates are negative (-x, -y)?

A) Quadrant I
B) Quadrant II
C) Quadrant III
D) Quadrant IV

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7. What is the Greatest Common Factor (GCF) of 12 and 18?

A) 2
B) 3
C) 6
D) 36

8. What is the solution to the equation x + 8 = 15?

A) x = 7
B) x = 23
C) x = 12
D) x = 6

9. What is the fraction 3/5 expressed as a percentage?

A) 35%
B) 50%
C) 60%
D) 75%

10. Using the distributive property, what is the expanded form of 3(x + 4)?

A) 3x + 4
B) 3x + 12
C) x + 12
D) 7x

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