Pre-Algebra Fundamentals

Mathematics · Answer Key · 15 Questions

1. Which value for 'x' makes the equation 12 + x = 20 true?

A) 6
B) 7
C) 8
D) 9

2. What is the value of the expression 5 + 3 × 2?

A) 11
B) 16
C) 10
D) 13

3. If a pattern follows the rule 'multiply by 2 and add 1', what is the next number after 5?

A) 10
B) 11
C) 12
D) 13

4. Which property of addition states that 5 + 3 = 3 + 5?

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

5. What is the missing number in the sequence: 3, 6, 9, __, 15?

A) 10
B) 11
C) 12
D) 14

6. If y - 7 = 14, what is the value of y?

A) 7
B) 19
C) 21
D) 20

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7. What is the result of 2^3 (two cubed)?

A) 6
B) 8
C) 9
D) 5

8. Which number represents the 'coefficient' in the expression 4x + 7?

A) 7
B) x
C) 4
D) 4x

9. If a rectangle has a length of 5cm and a width of 'w', which expression represents its perimeter?

A) 5 + w
B) 5w
C) 2(5 + w)
D) 5 + 5 + w

10. What is the value of 15 / 3 + 2?

A) 3
B) 7
C) 5
D) 9

11. Which of the following is an equation rather than an expression?

A) x + 5
B) 2x - 3 = 10
C) 4y
D) x / 2

12. If 4n = 20, what is the value of n?

A) 4
B) 5
C) 16
D) 80

13. What is the value of (10 - 2) * 2?

A) 6
B) 12
C) 16
D) 20

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14. In the expression 3x - 5, what is the constant term?

A) 3
B) x
C) -5
D) 3x

15. If a sequence starts at 2 and increases by 4 each time, what is the 4th term?

A) 10
B) 12
C) 14
D) 16

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