

Early Algebra Concepts

Mathematics · Answer Key · 15 Questions

1. If $2 + 3 = 5$, what is the missing number in $2 + ? = 6$?

- A) 3
- B) 4**
- C) 5
- D) 2

2. Which of these is a repeating pattern?

- A) 1, 2, 3, 4, 5
- B) 1, 2, 1, 2, 1**
- C) 1, 5, 8, 2, 9
- D) 1, 1, 2, 3, 5

3. If a square = 2, and a square + a square = a circle, what does the circle equal?

- A) 2
- B) 3
- C) 4**
- D) 6

4. What is the next number in the pattern: 5, 10, 15, 20, ?

- A) 21
- B) 22
- C) 25**
- D) 30

5. If a triangle has 3 sides, how many sides do 2 triangles have?

- A) 3
- B) 5
- C) 6**
- D) 9

6. If the rule is 'add 2', what comes after 4?

- A) 5
- B) 6**
- C) 7
- D) 8

7. Which symbol means 'is equal to'?

- A) +
- B) -
- C) =**
- D) <

8. In the sequence 10, 8, 6, 4, what is the rule?

- A) Add 2
- B) Subtract 2**
- C) Add 1
- D) Subtract 1

9. If a star = 5, what is star + star?

- A) 5
- B) 8
- C) 10**
- D) 15

10. Which pattern is increasing?

- A) 10, 9, 8, 7
- B) 2, 4, 6, 8**
- C) 5, 5, 5, 5
- D) 1, 2, 1, 2

11. If $1 + ? = 10$, what is the missing number?

- A) 7
- B) 8
- C) 9**
- D) 10

12. How many sides are on a square?

- A) 2
- B) 3
- C) 4**
- D) 5

13. If a heart = 1, how much are 4 hearts?

- A) 3
- B) 4**
- C) 5
- D) 6

14. What is the next shape in: square, circle, square, circle, ?

- A) Triangle
- B) Square
- C) Circle**
- D) Star

15. If $6 - ? = 3$, what is the missing number?

- A) 1
- B) 2
- C) 3**
- D) 4