

Exploring Early Algebra Concepts

Algebra · Answer Key · 20 Questions

1. If a pattern is Circle, Square, Circle, Square, what comes next?

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

2. In the equation $2 + ? = 5$, what number is missing?

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

3. What shape comes next in the sequence: Red, Blue, Red, Blue, ...?

- A) Green
- B) Yellow
- C) Red**
- D) Orange

4. If a group has 3 apples and you add 2 more, how many apples are there in total?

- A) 4
- B) 6
- C) 5**
- D) 7

5. In the pattern: Big, Small, Big, Small, what is the next word?

- A) Medium
- B) Big**
- C) Tiny
- D) Large

6. What number makes this true: $1 + 1 = ?$

- A) 1
- B) 3
- C) 0
- D) 2**

7. If you have 5 toys and give 1 away, how many do you have left?

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

8. What is the missing number in the sequence: 1, 2, __, 4, 5?

- A) 0
- B) 3**
- C) 6
- D) 2

9. If a story has a boy, a girl, a boy, a girl, who comes next?

- A) A dog
- B) A girl
- C) A boy**
- D) A cat

10. In the equation $? - 2 = 3$, what is the missing number?

- A) 1
- B) 5**
- C) 2
- D) 4

11. What shape follows a triangle, then a square, then a triangle, then a square?

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

12. If there are 2 birds on a branch and 3 more join them, how many birds are there now?

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

13. What number is missing in this counting pattern: 10, 20, __, 40, 50?

- A) 25
- B) 15
- C) 30**
- D) 35

14. If a week starts with Monday, then Tuesday, then Wednesday, what day follows?

- A) Friday
- B) Sunday
- C) Thursday**
- D) Saturday

15. What object comes next in this pattern: Car, Bus, Car, Bus, ...?

- A) Train
- B) Car**
- C) Motorcycle
- D) Bicycle

16. In the equation $4 = ? + 2$, what number should go in the box?

- A) 1
- B) 3
- C) 0
- D) 2**

17. What animal follows a cat, a dog, a cat, a dog, ...?

- A) A mouse
- B) A dog
- C) A cat**
- D) A bird

18. If you have 7 cookies and eat 3, how many are left?

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

19. What number is missing in the sequence: 5, 10, __, 20, 25?

- A) 12
- B) 15**
- C) 18
- D) 11

20. If a sequence of colors is Blue, Yellow, Red, Blue, Yellow, Red, what color comes next?

- A) Green
- B) Blue**
- C) Purple
- D) Orange