

## Pattern Puzzles – Pack 26

**Puzzle 1.** What number replaces the question mark in the grid?

1	1	6
1	3	9
3	2	?

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**Puzzle 2.** What comes next in the sequence?

4	4	3	8	7	16	10	32	17	?
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**Puzzle 3.** What comes next in the sequence?

3	4	4	8	7	16	11	32	18	?
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**Puzzle 4.** What number replaces the question mark in the grid?

1	2	18
6	9	19
12	8	?

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**Puzzle 5.** What number replaces the question mark in the grid?

1	1	6
4	2	7
6	2	?

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### Pattern Puzzles – Pack 26

**Puzzle 6.** What number replaces the question mark in the grid?

2	4	7
1	1	19
4	2	?

- A) 28     
  B) 15     
  C) 36     
  D) 27

**Puzzle 7.** What number replaces the question mark in the grid?

2	2	4
2	1	10
2	1	?

- A) 23     
  B) 18     
  C) 10     
  D) 17

**Puzzle 8.** What number replaces the question mark in the grid?

7	3	11
1	10	23
2	7	?

- A) 46     
  B) 25     
  C) 59     
  D) 45

**Puzzle 9.** What comes next in the sequence?

5	2	2	6	7	18	9	54	16	?
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- A) 151     
  B) 163     
  C) 162     
  D) 25

**Puzzle 10.** What number replaces the question mark in the grid?

2	2	4
3	2	8
4	3	?

- A) 13     
  B) 6     
  C) 19     
  D) 14

## Answer Key

**1. D) 16**

Row sums are Fibonacci numbers:  $F(6)=8$ ,  $F(7)=13$ ,  $F(8)=21$ .

**6. A) 28**

Row sums are Fibonacci numbers:  $F(7)=13$ ,  $F(8)=21$ ,  $F(9)=34$ .

**2. C) 64**

Odd positions: Fibonacci-like sequence starting 4, 3.

**7. B) 18**

Row sums are Fibonacci numbers:  $F(6)=8$ ,  $F(7)=13$ ,  $F(8)=21$ .

**3. D) 64**

Odd positions: Fibonacci-like sequence starting 3, 4.

**8. A) 46**

Row sums are Fibonacci numbers:  $F(8)=21$ ,  $F(9)=34$ ,  $F(10)=55$ .

**4. A) 35**

Row sums are Fibonacci numbers:  $F(8)=21$ ,  $F(9)=34$ ,  $F(10)=55$ .

**9. C) 162**

Odd positions: Fibonacci-like sequence starting 5, 2.

**5. C) 13**

Row sums are Fibonacci numbers:  $F(6)=8$ ,  $F(7)=13$ ,  $F(8)=21$ .

**10. D) 14**

Row sums are Fibonacci numbers:  $F(6)=8$ ,  $F(7)=13$ ,  $F(8)=21$ .