

### Pattern Puzzles – Pack 35

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

1	1	11
1	5	15
6	6	?

- A) 9     
  B) 22     
  C) 21     
  D) 30

**Puzzle 2.** What number replaces the question mark in the grid?

2	1	5
1	1	11
4	7	?

- A) 9     
  B) 15     
  C) 10     
  D) 2

**Puzzle 3.** What number replaces the question mark in the grid?

1	2	10
3	3	15
2	10	?

- A) 21     
  B) 9     
  C) 30     
  D) 22

**Puzzle 4.** What number replaces the question mark in the grid?

1	1	6
4	2	7
3	3	?

- A) 14     
  B) 20     
  C) 7     
  D) 15

**Puzzle 5.** What comes next in the sequence?

2	3	4	6	6	12	10	24	16	?
---	---	---	---	---	----	----	----	----	---

- A) 48     
  B) 41     
  C) 49     
  D) 26

### Pattern Puzzles – Pack 35

**Puzzle 6.** What comes next in the sequence?

2	3	2	9	4	27	6	81	10	?
---	---	---	---	---	----	---	----	----	---

- A) 16      B) 271      C) 243      D) 244

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

6	1	14
4	4	26
16	1	?

- A) 37      B) 51      C) 17      D) 38

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

2	1	5
2	4	7
7	7	?

- A) 12      B) 7      C) 6      D) 3

**Puzzle 9.** What number replaces the question mark in the grid?

4	4	13
1	9	24
4	16	?

- A) 48      B) 14      C) 35      D) 34

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

2	1	5
1	3	9
4	7	?

- A) 15      B) 9      C) 10      D) 2

## Answer Key

1. **B) 22**

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

6. **C) 243**

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

2. **C) 10**

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

7. **D) 38**

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

3. **D) 22**

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

8. **B) 7**

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

4. **D) 15**

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

9. **C) 35**

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

5. **A) 48**

Odd positions: Fibonacci-like sequence starting 2, 4.

10. **C) 10**

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