

### Pattern Puzzles – Pack 27

**Puzzle 1.** What comes next in the sequence?

2	2	4	4	6	8	10	16	16	?
---	---	---	---	---	---	----	----	----	---

- A) 33      B) 32      C) 25      D) 26

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

3	3	15
8	1	25
11	17	?

- A) 26      B) 40      C) 6      D) 27

**Puzzle 3.** What comes next in the sequence?

4	3	5	6	9	12	14	24	23	?
---	---	---	---	---	----	----	----	----	---

- A) 44      B) 49      C) 48      D) 37

**Puzzle 4.** What comes next in the sequence?

3	3	5	6	8	12	13	24	21	?
---	---	---	---	---	----	----	----	----	---

- A) 56      B) 48      C) 49      D) 34

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

1	2	5
4	2	7
6	1	?

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

### Pattern Puzzles – Pack 27

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

2	3	8
3	6	12
2	7	?

- A) 24     
  B) 25     
  C) 12     
  D) 33

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

5	4	12
7	7	20
16	7	?

- A) 45     
  B) 11     
  C) 32     
  D) 31

**Puzzle 8.** What comes next in the sequence?

4	4	2	12	6	36	8	108	14	?
---	---	---	----	---	----	---	-----	----	---

- A) 324     
  B) 325     
  C) 22     
  D) 317

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

1	2	5
4	4	5
2	2	?

- A) 22     
  B) 16     
  C) 9     
  D) 17

**Puzzle 10.** What comes next in the sequence?

3	2	5	4	8	8	13	16	21	?
---	---	---	---	---	---	----	----	----	---

- A) 34     
  B) 33     
  C) 32     
  D) 29

## Answer Key

1. **B) 32**

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

6. **B) 25**

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

2. **D) 27**

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

7. **C) 32**

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

3. **C) 48**

Odd positions: Fibonacci-like sequence starting 4, 5.

8. **A) 324**

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

4. **B) 48**

Odd positions: Fibonacci-like sequence starting 3, 5.

9. **D) 17**

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

5. **C) 14**

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

10. **C) 32**

Odd positions: Fibonacci-like sequence starting 3, 5.