

Pattern Puzzles – Pack 36

Puzzle 1. What comes next in the sequence?

3	4	5	12	8	36	13	108	21	?
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- A) 325 B) 372 C) 34 D) 324

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

6	6	9
10	5	19
17	6	?

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

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

1	1	6
1	1	11
2	4	?

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

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

1	1	6
4	4	5
5	5	?

- A) 16 B) 10 C) 11 D) 3

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

1	1	3
1	2	5
2	2	?

- A) 9 B) 4 C) 8 D) 12

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

2	6	13
10	11	13
16	12	?

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

4	4	5
2	4	15
2	3	?

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

2	7	12
1	8	25
11	14	?

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

3	2	8
6	3	12
4	2	?

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

2	2	4
3	1	9
2	4	?

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Answer Key

1. **D) 324**

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

6. **B) 27**

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

2. **C) 32**

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

7. **D) 29**

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

3. **B) 15**

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

8. **C) 30**

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

4. **C) 11**

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

9. **D) 28**

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

5. **A) 9**

Row sums are Fibonacci numbers: $F(5)=5$, $F(6)=8$, $F(7)=13$.

10. **A) 15**

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