

Pattern Puzzles – Pack 32

Puzzle 1. What comes next in the sequence?

2	4	5	8	7	16	12	32	19	?
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- A) 64 B) 68 C) 31 D) 65

Puzzle 2. What comes next in the sequence?

4	4	5	8	9	16	14	32	23	?
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- A) 64 B) 37 C) 63 D) 65

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

1	1	11
2	4	15
2	5	?

- A) 27 B) 14 C) 26 D) 35

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

1	2	5
2	4	7
6	4	?

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

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

2	1	5
4	2	7
3	5	?

- A) 5 B) 13 C) 12 D) 18

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

2	7	12
2	4	28
5	1	?

- A) 62
 B) 28
 C) 49
 D) 48

Puzzle 7. What comes next in the sequence?

5	4	2	12	7	36	9	108	16	?
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- A) 325
 B) 263
 C) 25
 D) 324

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

5	2	14
4	11	19
4	18	?

- A) 46
 B) 12
 C) 33
 D) 32

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

3	3	7
3	1	17
8	9	?

- A) 25
 B) 17
 C) 4
 D) 16

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

2	5	14
1	8	25
15	2	?

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

Answer Key

1. **A) 64**

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

6. **C) 49**

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

2. **A) 64**

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

7. **D) 324**

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

3. **A) 27**

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

8. **C) 33**

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. **B) 17**

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

5. **B) 13**

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

10. **C) 38**

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