

Pattern Puzzles – Pack 34

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

2	1	10
6	1	14
2	3	?

- A) 29 B) 37 C) 16 D) 28

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

1	3	9
6	6	9
9	5	?

- A) 20 B) 28 C) 7 D) 19

Puzzle 3. What comes next in the sequence?

5	4	2	8	7	16	9	32	16	?
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- A) 64 B) 25 C) 65 D) 53

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

6	1	14
9	11	14
13	12	?

- A) 9 B) 29 C) 43 D) 30

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

2	7	12
6	2	26
3	2	?

- A) 29 B) 50 C) 49 D) 63

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

1	2	5
2	1	10
2	4	?

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

1	1	11
1	2	18
8	4	?

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

1	3	9
6	1	14
5	11	?

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

2	3	8
6	6	9
8	6	?

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

1	1	3
1	2	5
1	3	?

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Answer Key

1. **A) 29**

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

6. **B) 15**

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

2. **A) 20**

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

7. **D) 22**

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

3. **A) 64**

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

8. **C) 18**

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

4. **D) 30**

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

9. **C) 20**

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

5. **B) 50**

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

10. **A) 9**

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