

Pattern Puzzles – Pack 12

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

1	1	3
1	2	5
3	1	?

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

5	5	11
2	11	21
11	18	?

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

1	1	3
1	2	5
3	3	?

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

1	1	6
2	3	8
5	7	?

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Puzzle 5. What comes next in the sequence?

2	3	5	6	7	12	12	24	19	?
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Pattern Puzzles – Pack 12

Puzzle 6. What comes next in the sequence?

4	3	3	6	7	12	10	24	17	?
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- A) 27 B) 48 C) 47 D) 49

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

1	1	6
2	2	9
1	6	?

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

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

5	7	9
5	6	23
6	8	?

- A) 40 B) 41 C) 54 D) 20

Puzzle 9. What comes next in the sequence?

3	3	2	6	5	12	7	24	12	?
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- A) 53 B) 19 C) 49 D) 48

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

2	1	5
2	4	7
3	3	?

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

Answer Key

1. **D) 9**

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

6. **B) 48**

Odd positions: Fibonacci-like sequence starting 4, 3.

2. **B) 26**

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

7. **A) 14**

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

3. **C) 7**

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

8. **B) 41**

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

4. **A) 9**

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

9. **D) 48**

Odd positions: Fibonacci-like sequence starting 3, 2.

5. **C) 48**

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

10. **B) 15**

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