

Pattern Puzzles – Pack 50

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

1	1	6
4	4	5
5	1	?

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

2	1	18
7	3	24
12	18	?

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

1	7	13
8	6	20
11	16	?

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

3	2	8
3	6	12
4	10	?

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

2	6	13
6	3	25
14	17	?

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

1	1	3
1	2	5
4	1	?

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

3	4	14
5	8	21
8	2	?

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

1	1	3
1	1	6
1	3	?

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

1	1	6
1	2	10
6	1	?

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

1	1	6
4	3	6
3	7	?

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Answer Key

1. C) 15

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

6. A) 8

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

2. B) 25

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

7. C) 45

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

3. D) 28

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

8. C) 9

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

4. B) 20

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

9. B) 14

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

5. A) 24

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

10. D) 11

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