

Pattern Puzzles – Pack 47

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

1	2	5
2	4	7
2	1	?

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

5	3	13
6	10	18
7	9	?

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

3	1	9
7	5	9
8	2	?

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

1	1	6
4	1	8
2	3	?

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

1	2	5
3	4	6
6	7	?

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

2	1	5
3	3	7
2	4	?

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

1	6	14
7	8	19
2	15	?

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

2	1	10
7	2	12
6	8	?

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

1	1	3
2	2	4
2	3	?

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

5	3	13
6	7	21
12	18	?

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Answer Key

1. B) 18

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

6. C) 15

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

2. C) 39

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

7. A) 38

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

3. A) 24

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

8. C) 20

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

4. D) 16

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

9. A) 8

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

5. C) 8

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

10. C) 25

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