

Pattern Puzzles – Pack 57

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

1	4	8
6	7	8
3	6	?

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

1	1	3
2	2	4
4	4	?

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

2	2	4
2	2	9
6	7	?

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

2	1	18
6	11	17
15	18	?

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

4	1	8
3	7	11
7	4	?

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

1	4	16
8	11	15
6	12	?

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

1	1	3
1	2	5
1	4	?

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

5	7	9
2	4	28
14	5	?

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

2	2	4
4	1	8
7	4	?

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

2	2	9
5	2	14
7	5	?

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Answer Key

1. **A) 25**

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

6. **A) 37**

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

2. **A) 5**

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

7. **D) 8**

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

3. **B) 8**

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

8. **B) 36**

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

4. **B) 22**

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

9. **A) 10**

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

5. **A) 23**

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

10. **C) 22**

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