

Pattern Puzzles – Pack 54

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

| | | |
|---|---|---|
| 1 | 2 | 5 |
| 1 | 3 | 9 |
| 3 | 3 | ? |

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

| | | |
|---|----|----|
| 7 | 2 | 12 |
| 6 | 7 | 21 |
| 8 | 16 | ? |

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

| | | |
|---|----|----|
| 5 | 4 | 12 |
| 8 | 5 | 21 |
| 5 | 17 | ? |

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

| | | |
|----|----|----|
| 4 | 3 | 14 |
| 11 | 8 | 15 |
| 2 | 17 | ? |

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

| | | |
|---|---|---|
| 1 | 1 | 3 |
| 1 | 1 | 6 |
| 2 | 2 | ? |

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

| | | |
|---|---|---|
| 2 | 1 | 5 |
| 4 | 2 | 7 |
| 4 | 2 | ? |

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

| | | |
|---|----|----|
| 3 | 3 | 7 |
| 7 | 4 | 10 |
| 6 | 10 | ? |

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

| | | |
|---|---|---|
| 2 | 1 | 5 |
| 4 | 1 | 8 |
| 1 | 6 | ? |

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

| | | |
|---|---|---|
| 2 | 1 | 5 |
| 2 | 3 | 8 |
| 5 | 4 | ? |

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

| | | |
|---|---|---|
| 2 | 2 | 4 |
| 4 | 3 | 6 |
| 5 | 2 | ? |

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Answer Key

1. D) 15

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

6. A) 15

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

2. B) 31

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

7. C) 18

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

3. B) 33

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

8. C) 14

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

4. B) 36

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

9. D) 12

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

5. B) 9

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

10. B) 14

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