

Pattern Puzzles – Pack 56

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

| | | |
|---|---|----|
| 3 | 2 | 11 |
| 3 | 5 | 13 |
| 6 | 6 | ? |

- A) 9
 B) 19
 C) 14
 D) 13

Puzzle 2. What comes next in the sequence?

| | | | | | | | |
|---|----|----|-----|-----|------|------|---|
| 3 | 14 | 73 | 240 | 599 | 1258 | 2349 | ? |
|---|----|----|-----|-----|------|------|---|

- A) 4052
 B) 3440
 C) 4004
 D) 4028

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

| | | |
|---|---|----|
| 3 | 3 | 14 |
| 2 | 6 | 14 |
| 5 | 4 | ? |

- A) 15
 B) 13
 C) 14
 D) 17

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

| | | |
|---|---|----|
| 6 | 8 | 8 |
| 2 | 7 | 19 |
| 6 | 8 | ? |

- A) 20
 B) 19
 C) 14
 D) 26

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

| | | |
|---|---|----|
| 5 | 6 | 14 |
| 8 | 8 | 14 |
| 7 | 6 | ? |

- A) 22
 B) 21
 C) 27
 D) 17

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

| | | |
|---|---|---|
| 3 | 8 | 3 |
| 7 | 3 | 7 |
| 6 | 5 | ? |

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

| | | |
|---|---|---|
| 8 | 6 | 3 |
| 6 | 7 | 9 |
| 5 | 4 | ? |

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

| | | |
|---|---|---|
| 6 | 2 | 5 |
| 4 | 6 | 7 |
| 7 | 2 | ? |

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

| | | |
|---|---|----|
| 8 | 3 | 10 |
| 2 | 8 | 17 |
| 2 | 3 | ? |

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

| | | |
|---|---|---|
| 3 | 7 | 4 |
| 4 | 8 | 6 |
| 5 | 8 | ? |

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Answer Key

1. **C) 14**

Row sums form arithmetic sequence: 16, 21, 26.

6. **C) 9**

Row sums form arithmetic sequence: 14, 17, 20.

2. **D) 4028**

4th diffs: 24 (constant – quartic sequence).

7. **C) 18**

Row sums form arithmetic sequence: 17, 22, 27.

3. **A) 15**

Row sums form arithmetic sequence: 20, 22, 24.

8. **A) 12**

Row sums form arithmetic sequence: 13, 17, 21.

4. **A) 20**

Row sums form arithmetic sequence: 22, 28, 34.

9. **A) 28**

Row sums form arithmetic sequence: 21, 27, 33.

5. **A) 22**

Row sums form arithmetic sequence: 25, 30, 35.

10. **B) 9**

Row sums form arithmetic sequence: 14, 18, 22.