

Pattern Puzzles – Pack 55

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

4	7	1
4	7	4
5	4	?

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

2	7	15
3	3	23
8	8	?

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

8	4	11
3	6	16
5	5	?

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Puzzle 4. What comes next in the sequence?

6	32	124	348	794	1576	2832	?
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Puzzle 5. What number replaces the question mark in the grid?

6	5	2
8	4	6
7	6	?

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

8	3	12
3	6	17
4	4	?

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

6	3	11
5	8	11
8	7	?

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

5	8	2
5	5	8
6	8	?

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

2	3	20
3	4	21
5	2	?

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

4	8	13
6	7	15
4	6	?

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Answer Key

1. **C) 9**

Row sums form arithmetic sequence: 12, 15, 18.

6. **C) 21**

Row sums form arithmetic sequence: 23, 26, 29.

2. **C) 18**

Row sums form arithmetic sequence: 24, 29, 34.

7. **A) 13**

Row sums form arithmetic sequence: 20, 24, 28.

3. **D) 17**

Row sums form arithmetic sequence: 23, 25, 27.

8. **D) 7**

Row sums form arithmetic sequence: 15, 18, 21.

4. **C) 4724**

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

9. **C) 24**

Row sums form arithmetic sequence: 25, 28, 31.

5. **D) 10**

Row sums form arithmetic sequence: 13, 18, 23.

10. **C) 21**

Row sums form arithmetic sequence: 25, 28, 31.