

Pattern Puzzles – Pack 50

Puzzle 1. What comes next in the sequence?

5	20	85	260	629	1300	2405	?
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- A) 4076 B) 3510 C) 4100 D) 4124

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

4	8	8
2	4	19
3	8	?

- A) 18 B) 24 C) 14 D) 19

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

2	6	10
8	3	12
7	8	?

- A) 18 B) 12 C) 13 D) 8

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

3	8	5
6	2	11
2	4	?

- A) 16 B) 15 C) 13 D) 19

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

5	8	1
4	4	10
2	7	?

- A) 13 B) 17 C) 9 D) 12

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

6	7	4
7	8	4
6	7	?

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

2	4	19
6	4	20
5	4	?

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

4	4	13
6	5	12
8	5	?

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

4	6	3
5	3	8
4	4	?

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Puzzle 10. What comes next in the sequence?

1	19	97	301	721	1471	2689	?
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Answer Key

1. **C) 4100**

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

6. **D) 8**

Row sums form arithmetic sequence: 17, 19, 21.

2. **D) 19**

Row sums form arithmetic sequence: 20, 25, 30.

7. **B) 26**

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

3. **C) 13**

Row sums form arithmetic sequence: 18, 23, 28.

8. **D) 12**

Row sums form arithmetic sequence: 21, 23, 25.

4. **A) 16**

Row sums form arithmetic sequence: 16, 19, 22.

9. **C) 11**

Row sums form arithmetic sequence: 13, 16, 19.

5. **A) 13**

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

10. **D) 4537**

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