

Pattern Puzzles – Pack 49

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

2	5	6
3	6	16
10	10	?

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Puzzle 2. What comes next in the sequence?

8	12	6	6	14	17	9	11	20	22	12	16	?
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Puzzle 3. What number replaces the question mark in the grid?

2	1	6
3	4	9
4	10	?

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Puzzle 4. What comes next in the sequence?

7	10	11	7	11	16	14	11	15	22	17	15	?
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Puzzle 5. What number replaces the question mark in the grid?

6	7	12
1	7	2
14	14	?

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

2	2	5
1	1	14
12	5	?

- A) 30
 B) 25
 C) 32
 D) 33

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

1	2	6
6	1	18
11	16	?

- A) 38
 B) 37
 C) 21
 D) 40

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

1	4	7
7	5	4
2	6	?

- A) 12
 B) 11
 C) 10
 D) 4

Puzzle 9. What comes next in the sequence?

2	6	15	7	4	14	17	15	6	22	19	23	?
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- A) 8
 B) 30
 C) 14
 D) 9

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

6	9	1
14	15	1
1	4	?

- A) 34
 B) 38
 C) 35
 D) 26

Answer Key

1. **C) 6**

Column sums are triangular numbers: 15, 21, 28.

6. **C) 32**

Row sums are perfect squares: 9, 16, 49.

2. **D) 26**

Four interleaved arithmetic series (period 4):

7. **B) 37**

Row sums are perfect squares: 9, 25, 64.

3. **D) 50**

Row sums are perfect squares: 9, 16, 64.

8. **C) 10**

Column sums are triangular numbers: 10, 15, 21.

4. **A) 19**

Four interleaved arithmetic series (period 4):

9. **A) 8**

Four interleaved arithmetic series (period 4):

5. **D) 22**

Column sums are triangular numbers: 21, 28, 36.

10. **A) 34**

Column sums are triangular numbers: 21, 28, 36.