

Pattern Puzzles – Pack 37

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

7	8	3
4	4	12
7	3	?

- A) 12
 B) 10
 C) 14
 D) 11

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

8	3	13
8	7	11
8	3	?

- A) 19
 B) 16
 C) 17
 D) 15

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

4	8	9
8	5	14
3	4	?

- A) 20
 B) 26
 C) 32
 D) 25

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

5	4	6
8	3	8
2	3	?

- A) 18
 B) 14
 C) 22
 D) 17

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

5	8	5
7	6	9
6	3	?

- A) 13
 B) 17
 C) 21
 D) 16

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

5	3	4
4	3	10
2	3	?

- A) 22
 B) 12
 C) 16
 D) 17

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

5	2	12
3	4	15
5	7	?

- A) 13
 B) 12
 C) 16
 D) 10

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

6	3	12
5	7	15
5	2	?

- A) 25
 B) 32
 C) 26
 D) 20

Puzzle 9. What comes next in the sequence?

4	31	132	379	868	1719	3076	?
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- A) 5131
 B) 5083
 C) 4433
 D) 5107

Puzzle 10. What comes next in the sequence?

4	20	86	262	632	1304	2410	?
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- A) 4082
 B) 4106
 C) 3516
 D) 4130

Answer Key

1. **A) 12**

Row sums form arithmetic sequence: 18, 20, 22.

6. **D) 17**

Row sums form arithmetic sequence: 12, 17, 22.

2. **C) 17**

Row sums form arithmetic sequence: 24, 26, 28.

7. **A) 13**

Row sums form arithmetic sequence: 19, 22, 25.

3. **B) 26**

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

8. **C) 26**

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

4. **A) 18**

Row sums form arithmetic sequence: 15, 19, 23.

9. **D) 5107**

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

5. **B) 17**

Row sums form arithmetic sequence: 18, 22, 26.

10. **B) 4106**

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