

Pattern Puzzles – Pack 27

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

8	4	4
8	5	7
2	5	?

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

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

6	6	6
2	7	15
8	8	?

- A) 20
 B) 8
 C) 13
 D) 14

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

7	3	6
7	2	12
8	7	?

- A) 6
 B) 10
 C) 11
 D) 16

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

3	5	9
5	4	10
4	6	?

- A) 13
 B) 11
 C) 9
 D) 10

Puzzle 5. What comes next in the sequence?

4	34	138	388	880	1734	3094	?
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- A) 4454
 B) 5152
 C) 5104
 D) 5128

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Puzzle 6. What comes next in the sequence?

1	11	69	235	593	1251	2341	?
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Puzzle 7. What comes next in the sequence?

3	30	131	378	867	1718	3075	?
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Puzzle 8. What number replaces the question mark in the grid?

4	8	2
2	5	9
3	8	?

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

3	2	12
4	6	12
4	2	?

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

5	5	13
8	4	13
3	3	?

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Answer Key

1. **D) 17**

Row sums form arithmetic sequence: 16, 20, 24.

6. **C) 4019**

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

2. **D) 14**

Row sums form arithmetic sequence: 18, 24, 30.

7. **B) 5106**

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

3. **C) 11**

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

8. **D) 7**

Row sums form arithmetic sequence: 14, 16, 18.

4. **B) 11**

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

9. **B) 21**

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

5. **D) 5128**

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

10. **B) 21**

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