

Pattern Puzzles – Pack 32

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

8	6	11
8	3	16
7	2	?

- A) 18
 B) 19
 C) 22
 D) 20

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

6	7	5
5	4	15
8	6	?

- A) 15
 B) 16
 C) 10
 D) 22

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

4	5	13
3	4	17
5	8	?

- A) 15
 B) 11
 C) 12
 D) 13

Puzzle 4. What comes next in the sequence?

4	24	106	316	744	1504	2734	?
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- A) 3964
 B) 4596
 C) 4620
 D) 4572

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

2	8	7
7	8	4
3	5	?

- A) 13
 B) 12
 C) 15
 D) 11

Pattern Puzzles – Pack 32

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

7	5	5
2	5	14
2	8	?

- A) 14
 B) 15
 C) 19
 D) 11

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

8	4	7
7	3	12
5	2	?

- A) 21
 B) 15
 C) 17
 D) 18

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

2	6	13
3	8	13
2	7	?

- A) 18
 B) 17
 C) 15
 D) 21

Puzzle 9. What comes next in the sequence?

9	31	107	297	685	1379	2511	?
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- A) 3643
 B) 4261
 C) 4237
 D) 4213

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

5	7	13
5	5	19
3	2	?

- A) 32
 B) 24
 C) 28
 D) 27

Answer Key

1. **D) 20**

Row sums form arithmetic sequence: 25, 27, 29.

6. **B) 15**

Row sums form arithmetic sequence: 17, 21, 25.

2. **B) 16**

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

7. **D) 18**

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

3. **D) 13**

Row sums form arithmetic sequence: 22, 24, 26.

8. **A) 18**

Row sums form arithmetic sequence: 21, 24, 27.

4. **B) 4596**

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

9. **C) 4237**

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

5. **A) 13**

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

10. **C) 28**

Row sums form arithmetic sequence: 25, 29, 33.