

Pattern Puzzles – Pack 60

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

3	5	6
7	3	7
2	4	?

- A) 17
 B) 11
 C) 13
 D) 14

Puzzle 2. What comes next in the sequence?

5	18	79	248	609	1270	2363	?
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- A) 4020
 B) 4044
 C) 4068
 D) 3456

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

2	7	3
3	8	5
8	2	?

- A) 9
 B) 10
 C) 6
 D) 14

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

8	3	12
5	2	20
7	8	?

- A) 16
 B) 20
 C) 12
 D) 15

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

6	7	1
6	5	9
6	3	?

- A) 11
 B) 16
 C) 17
 D) 23

Pattern Puzzles – Pack 60

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

5	5	5
5	8	7
3	7	?

- A) 14
 B) 10
 C) 20
 D) 15

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

7	4	10
2	7	16
7	5	?

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

Puzzle 8. What comes next in the sequence?

6	31	128	369	850	1691	3036	?
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- A) 4381
 B) 5029
 C) 5077
 D) 5053

Puzzle 9. What comes next in the sequence?

6	33	132	375	858	1701	3048	?
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- A) 4395
 B) 5043
 C) 5091
 D) 5067

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

2	2	21
3	2	24
3	2	?

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

Answer Key

1. **D) 14**

Row sums form arithmetic sequence: 14, 17, 20.

6. **D) 15**

Row sums form arithmetic sequence: 15, 20, 25.

2. **B) 4044**

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

7. **B) 17**

Row sums form arithmetic sequence: 21, 25, 29.

3. **B) 10**

Row sums form arithmetic sequence: 12, 16, 20.

8. **D) 5053**

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

4. **A) 16**

Row sums form arithmetic sequence: 23, 27, 31.

9. **D) 5067**

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

5. **C) 17**

Row sums form arithmetic sequence: 14, 20, 26.

10. **A) 28**

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