

Pattern Puzzles – Pack 58

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

4	12	36
4	8	16
3	6	?

- A) 12
 B) 8
 C) 18
 D) 15

Puzzle 2. What comes next in the sequence?

9	22	43	72	109	154	?
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- A) 207
 B) 169
 C) 199
 D) 215

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

1	3	9
3	6	12
2	6	?

- A) 8
 B) 16
 C) 18
 D) 9

Puzzle 4. What comes next in the sequence?

8	24	48	80	120	168	?
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- A) 216
 B) 232
 C) 211
 D) 224

Puzzle 5. What comes next in the sequence?

13	21	31	43	57	73	?
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- A) 89
 B) 80
 C) 91
 D) 93

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Puzzle 6. What comes next in the sequence?

9	15	18	18	27	21	?
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- A) 36 B) 37 C) 30 D) 24

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

2	6	18
2	6	18
4	8	?

- A) 10 B) 16 C) 24 D) 36

Puzzle 8. What comes next in the sequence?

11	19	19	24	27	29	?
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- A) 36 B) 35 C) 34 D) 32

Puzzle 9. What comes next in the sequence?

11	21	35	53	75	101	?
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- A) 131 B) 127 C) 135 D) 118

Puzzle 10. What comes next in the sequence?

10	17	28	43	62	85	?
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- A) 130 B) 112 C) 108 D) 116

Answer Key

1. **A) 12**
Each row is a geometric sequence. Row 3 ratio: $\times 2$.
2. **A) 207**
Sequence: 9, 22, 43, 72, 109, 154, ...
3. **C) 18**
Each row is a geometric sequence. Row 3 ratio: $\times 3$.
4. **D) 224**
Sequence: 8, 24, 48, 80, 120, 168, ...
5. **C) 91**
Sequence: 13, 21, 31, 43, 57, 73, ...
6. **A) 36**
Two interleaved series – odd: +9, even: +3.
7. **B) 16**
Each row is a geometric sequence. Row 3 ratio: $\times 2$.
8. **B) 35**
Two interleaved series – odd: +8, even: +5.
9. **A) 131**
Sequence: 11, 21, 35, 53, 75, 101, ...
10. **B) 112**
Sequence: 10, 17, 28, 43, 62, 85, ...