

Pattern Puzzles – Pack 35

Puzzle 1. What comes next in the sequence?

7	15	13	21	19	27	?
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- A) 26 B) 23 C) 33 D) 25

Puzzle 2. What comes next in the sequence?

13	31	57	91	133	183	?
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- A) 233 B) 193 C) 249 D) 241

Puzzle 3. What comes next in the sequence?

6	17	39	83	171	347	?
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- A) 352 B) 694 C) 700 D) 699

Puzzle 4. What comes next in the sequence?

7	15	14	23	21	31	?
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- A) 28 B) 39 C) 29 D) 31

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

1	2	4
1	3	9
4	8	?

- A) 10 B) 16 C) 36 D) 18

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Puzzle 6. What comes next in the sequence?

6	19	45	97	201	409	?
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- A) 826 B) 825 C) 416 D) 818

Puzzle 7. What comes next in the sequence?

9	13	16	23	23	33	?
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- A) 43 B) 31 C) 33 D) 30

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

3	9	27
1	2	4
3	6	?

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

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

4	8	16
4	8	16
4	12	?

- A) 15 B) 36 C) 16 D) 24

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

4	12	36
2	6	18
2	6	?

- A) 9 B) 19 C) 17 D) 18

Answer Key

1. **D) 25**
Two interleaved series – odd: +6, even: +6.
2. **D) 241**
Sequence: 13, 31, 57, 91, 133, 183, ...
3. **D) 699**
Sequence: 6, 17, 39, 83, 171, 347, ...
4. **A) 28**
Two interleaved series – odd: +7, even: +8.
5. **B) 16**
Each row is a geometric sequence. Row 3 ratio: $\times 2$.
6. **B) 825**
Sequence: 6, 19, 45, 97, 201, 409, ...
7. **D) 30**
Two interleaved series – odd: +7, even: +10.
8. **C) 12**
Each row is a geometric sequence. Row 3 ratio: $\times 2$.
9. **B) 36**
Each row is a geometric sequence. Row 3 ratio: $\times 3$.
10. **D) 18**
Each row is a geometric sequence. Row 3 ratio: $\times 3$.