

Pattern Puzzles – Pack 30

Puzzle 1. What comes next in the sequence?

12	23	38	57	80	107	?
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- A) 134 B) 120 C) 142 D) 138

Puzzle 2. What comes next in the sequence?

3	20	13	29	23	38	?
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- A) 34 B) 32 C) 47 D) 33

Puzzle 3. What comes next in the sequence?

9	24	47	78	117	164	?
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- A) 219 B) 211 C) 227 D) 192

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

4	12	36
4	16	64
1	2	?

- A) 1 B) 4 C) 6 D) 16

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

4	8	16
2	4	8
3	9	?

- A) 23 B) 27 C) 18 D) 12

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Puzzle 6. What comes next in the sequence?



- A) 83 B) 95 C) 88 D) 82

Puzzle 7. What comes next in the sequence?



- A) 224 B) 444 C) 443 D) 438

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

4	8	16
2	8	32
2	6	?

- A) 12 B) 18 C) 9 D) 32

Puzzle 9. What comes next in the sequence?



- A) 23 B) 24 C) 22 D) 35

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

4	12	36
4	8	16
1	2	?

- A) 8 B) 4 C) 7 D) 6

Answer Key

1. **D) 138**

Sequence: 12, 23, 38, 57, 80, 107, ...

6. **A) 83**

Sequence: 19, 26, 38, 45, 57, 64, 76, ...

2. **D) 33**

Two interleaved series – odd: +10, even: +9.

7. **C) 443**

Sequence: 2, 9, 23, 51, 107, 219, ...

3. **A) 219**

Sequence: 9, 24, 47, 78, 117, 164, ...

8. **B) 18**

Each row is a geometric sequence. Row 3 ratio: $\times 3$.

4. **B) 4**

Each row is a geometric sequence. Row 3 ratio: $\times 2$.

9. **A) 23**

Two interleaved series – odd: +6, even: +6.

5. **B) 27**

Each row is a geometric sequence. Row 3 ratio: $\times 3$.

10. **B) 4**

Each row is a geometric sequence. Row 3 ratio: $\times 2$.