

## Pattern Puzzles – Pack 48

**Puzzle 1.** What comes next in the sequence?

9	4	12	10	15	16	?
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A) 22	B) 18	C) 21	D) 19
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**Puzzle 2.** What comes next in the sequence?

15	18	22	25	29	32	36	?
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A) 38	B) 43	C) 40	D) 39
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**Puzzle 3.** What comes next in the sequence?

3	8	18	38	78	158	?
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A) 316	B) 160	C) 318	D) 319
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**Puzzle 4.** What comes next in the sequence?

7	20	39	64	95	132	?
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A) 175	B) 181	C) 185	D) 169
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**Puzzle 5.** What comes next in the sequence?

10	6	15	14	20	22	?
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A) 30	B) 28	C) 25	D) 26
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**Puzzle 6.** What comes next in the sequence?

14	17	28	31	42	45	56	?
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- A) 70      B) 67      C) 58      D) 59

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

2	6	18
4	12	36
3	9	?

- A) 33      B) 12      C) 27      D) 30

**Puzzle 8.** What comes next in the sequence?

4	15	14	19	24	23	?
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- A) 28      B) 27      C) 34      D) 35

**Puzzle 9.** What comes next in the sequence?

2	14	50	158	482	1454	?
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- A) 4362      B) 4370      C) 1462      D) 4371

**Puzzle 10.** What comes next in the sequence?

15	28	47	72	103	140	?
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- A) 177      B) 170      C) 189      D) 183

## Answer Key

1. **B) 18**

Two interleaved series – odd: +3, even: +6.

6. **D) 59**

Sequence: 14, 17, 28, 31, 42, 45, 56, ...

2. **D) 39**

Sequence: 15, 18, 22, 25, 29, 32, 36, ...

7. **C) 27**

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

3. **C) 318**

Sequence: 3, 8, 18, 38, 78, 158, ...

8. **C) 34**

Two interleaved series – odd: +10, even: +4.

4. **A) 175**

Sequence: 7, 20, 39, 64, 95, 132, ...

9. **B) 4370**

Sequence: 2, 14, 50, 158, 482, 1454, ...

5. **C) 25**

Two interleaved series – odd: +5, even: +8.

10. **D) 183**

Sequence: 15, 28, 47, 72, 103, 140, ...