

Pattern Puzzles – Pack 12

Puzzle 1. What comes next in the sequence?

15	5	19	10	23	15	?
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A) 28	B) 27	C) 20	D) 30
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Puzzle 2. What comes next in the sequence?

19	26	30	37	41	48	52	?
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A) 56	B) 58	C) 63	D) 59
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Puzzle 3. What comes next in the sequence?

5	12	21	32	45	60	?
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A) 77	B) 79	C) 74	D) 56
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Puzzle 4. What comes next in the sequence?

16	28	32	44	48	60	64	?
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A) 68	B) 76	C) 75	D) 80
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Puzzle 5. What number replaces the question mark in the grid?

2	6	18
3	9	27
3	9	?

A) 31	B) 23	C) 12	D) 27
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Puzzle 6. What comes next in the sequence?

18	36	62	96	138	188	?
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- A) 246 B) 257 C) 254 D) 238

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

3	6	12
2	4	8
1	2	?

- A) 9 B) 0 C) 4 D) 3

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

3	6	12
3	9	27
4	8	?

- A) 21 B) 10 C) 16 D) 36

Puzzle 9. What comes next in the sequence?

23	33	44	54	65	75	86	?
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- A) 107 B) 95 C) 96 D) 97

Puzzle 10. What comes next in the sequence?

8	17	28	41	56	73	?
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- A) 90 B) 92 C) 88 D) 94

Answer Key

1. **B) 27**
Two interleaved series – odd: +4, even: +5.
2. **D) 59**
Sequence: 19, 26, 30, 37, 41, 48, 52, ...
3. **A) 77**
Formula: $2 \times n(n+1)/2 + 3n$.
4. **B) 76**
Sequence: 16, 28, 32, 44, 48, 60, 64, ...
5. **D) 27**
Each row is a geometric sequence. Row 3 ratio: $\times 3$.
6. **A) 246**
Sequence: 18, 36, 62, 96, 138, 188, ...
7. **C) 4**
Each row is a geometric sequence. Row 3 ratio: $\times 2$.
8. **C) 16**
Each row is a geometric sequence. Row 3 ratio: $\times 2$.
9. **C) 96**
Sequence: 23, 33, 44, 54, 65, 75, 86, ...
10. **B) 92**
Sequence: 8, 17, 28, 41, 56, 73, ...