

Pattern Puzzles – Pack 24

Puzzle 1. What comes next in the sequence?

5	13	25	41	61	85	?
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A) 116	B) 113	C) 117	D) 109
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Puzzle 2. What number replaces the question mark in the grid?

3	9	27
3	6	12
1	3	?

A) 6	B) 5	C) 9	D) 4
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Puzzle 3. What comes next in the sequence?

3	12	17	26	31	40	45	?
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A) 59	B) 50	C) 54	D) 53
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Puzzle 4. What comes next in the sequence?

14	3	21	9	28	15	?
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A) 36	B) 21	C) 34	D) 35
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Puzzle 5. What comes next in the sequence?

8	17	18	24	28	31	?
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A) 35	B) 42	C) 39	D) 38
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Puzzle 6. What comes next in the sequence?

17	2	24	10	31	18	?
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- A) 38 B) 31 C) 39 D) 26

Puzzle 7. What comes next in the sequence?

3	15	51	159	483	1455	?
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- A) 4372 B) 4365 C) 4371 D) 1461

Puzzle 8. What comes next in the sequence?

30	33	38	41	46	49	54	?
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- A) 56 B) 62 C) 57 D) 59

Puzzle 9. What comes next in the sequence?

15	27	43	63	87	115	?
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- A) 168 B) 147 C) 143 D) 151

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

1	2	4
1	4	16
2	6	?

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

Answer Key

1. **B) 113**
Sequence: 5, 13, 25, 41, 61, 85, ...
2. **C) 9**
Each row is a geometric sequence. Row 3 ratio: $\times 3$.
3. **C) 54**
Sequence: 3, 12, 17, 26, 31, 40, 45, ...
4. **D) 35**
Two interleaved series – odd: +7, even: +6.
5. **D) 38**
Two interleaved series – odd: +10, even: +7.
6. **A) 38**
Two interleaved series – odd: +7, even: +8.
7. **C) 4371**
Sequence: 3, 15, 51, 159, 483, 1455, ...
8. **C) 57**
Sequence: 30, 33, 38, 41, 46, 49, 54, ...
9. **B) 147**
Sequence: 15, 27, 43, 63, 87, 115, ...
10. **B) 18**
Each row is a geometric sequence. Row 3 ratio: $\times 3$.