

Pattern Puzzles – Pack 6

Puzzle 1. What comes next in the sequence?

27	39	50	62	73	85	96	?
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A) 129	B) 108	C) 119	D) 107
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Puzzle 2. What comes next in the sequence?

6	17	33	54	80	111	?
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A) 147	B) 140	C) 146	D) 152
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Puzzle 3. What comes next in the sequence?

15	33	59	93	135	185	?
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A) 235	B) 251	C) 204	D) 243
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Puzzle 4. What comes next in the sequence?

14	24	31	41	48	58	65	?
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A) 75	B) 82	C) 74	D) 72
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Puzzle 5. What comes next in the sequence?

10	22	25	37	40	52	55	?
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A) 70	B) 58	C) 67	D) 66
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Puzzle 6. What comes next in the sequence?

12	20	30	42	56	72	?
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A) 92	B) 86	C) 90	D) 88
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Puzzle 7. What comes next in the sequence?

11	20	33	50	71	96	?
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A) 125	B) 124	C) 129	D) 121
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Puzzle 8. What number replaces the question mark in the grid?

4	8	16
4	12	36
4	8	?

A) 16	B) 18	C) 10	D) 36
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Puzzle 9. What comes next in the sequence?

3	11	35	107	323	971	?
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A) 2915	B) 2913	C) 2916	D) 973
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Puzzle 10. What comes next in the sequence?

7	19	36	58	85	117	?
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A) 154	B) 159	C) 152	D) 140
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Answer Key

1. **B) 108**

Sequence: 27, 39, 50, 62, 73, 85, 96, ...

6. **C) 90**

Sequence: 12, 20, 30, 42, 56, 72, ...

2. **A) 147**

Formula: $5 \times n(n+1)/2 + 1n$.

7. **A) 125**

Sequence: 11, 20, 33, 50, 71, 96, ...

3. **D) 243**

Sequence: 15, 33, 59, 93, 135, 185, ...

8. **A) 16**

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

4. **A) 75**

Sequence: 14, 24, 31, 41, 48, 58, 65, ...

9. **A) 2915**

Sequence: 3, 11, 35, 107, 323, 971, ...

5. **C) 67**

Sequence: 10, 22, 25, 37, 40, 52, 55, ...

10. **A) 154**

Formula: $5 \times n(n+1)/2 + 2n$.