

Pattern Puzzles – Pack 22

Puzzle 1. What comes next in the sequence?

23	33	40	50	57	67	74	?
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|-------|-------|-------|-------|
| A) 84 | B) 81 | C) 91 | D) 83 |
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Puzzle 2. What comes next in the sequence?

4	17	56	173	524	1577	?
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| A) 4737 | B) 4731 | C) 4736 | D) 1582 |
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Puzzle 3. What comes next in the sequence?

5	19	61	187	565	1699	?
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| A) 5101 | B) 1703 | C) 5097 | D) 5102 |
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Puzzle 4. What comes next in the sequence?

16	31	52	79	112	151	?
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| A) 205 | B) 190 | C) 202 | D) 196 |
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Puzzle 5. What comes next in the sequence?

2	9	30	93	282	849	?
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| A) 2547 | B) 852 | C) 2551 | D) 2550 |
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Puzzle 6. What comes next in the sequence?

1	5	13	29	61	125	?
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A) 253	B) 254	C) 128	D) 250
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Puzzle 7. What number replaces the question mark in the grid?

3	9	27
1	4	16
2	6	?

A) 9	B) 23	C) 18	D) 32
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Puzzle 8. What comes next in the sequence?

11	23	39	59	83	111	?
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A) 139	B) 143	C) 126	D) 147
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Puzzle 9. What comes next in the sequence?

4	20	68	212	644	1940	?
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A) 5829	B) 1948	C) 5828	D) 5820
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Puzzle 10. What comes next in the sequence?

5	9	16	20	27	31	38	?
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A) 42	B) 41	C) 49	D) 45
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Answer Key

1. **A) 84**

Sequence: 23, 33, 40, 50, 57, 67, 74, ...

6. **A) 253**

Sequence: 1, 5, 13, 29, 61, 125, ...

2. **C) 4736**

Sequence: 4, 17, 56, 173, 524, 1577, ...

7. **C) 18**

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

3. **A) 5101**

Sequence: 5, 19, 61, 187, 565, 1699, ...

8. **B) 143**

Sequence: 11, 23, 39, 59, 83, 111, ...

4. **D) 196**

Sequence: 16, 31, 52, 79, 112, 151, ...

9. **C) 5828**

Sequence: 4, 20, 68, 212, 644, 1940, ...

5. **D) 2550**

Sequence: 2, 9, 30, 93, 282, 849, ...

10. **A) 42**

Sequence: 5, 9, 16, 20, 27, 31, 38, ...