

Pattern Puzzles – Pack 50

Puzzle 1. What comes next in the sequence?

9	20	17	30	25	40	?
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- A) 50 B) 34 C) 33 D) 35

Puzzle 2. What comes next in the sequence?

5	21	69	213	645	1941	?
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- A) 5829 B) 5830 C) 5823 D) 1947

Puzzle 3. What number replaces the question mark in the grid?

1	2	4
1	3	9
2	4	?

- A) 5 B) 8 C) 6 D) 18

Puzzle 4. What number replaces the question mark in the grid?

1	2	4
2	4	8
4	12	?

- A) 24 B) 15 C) 36 D) 16

Puzzle 5. What comes next in the sequence?

4	11	25	53	109	221	?
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- A) 224 B) 445 C) 442 D) 446

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Puzzle 6. What comes next in the sequence?

8	6	12	13	16	20	?
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A) 23	B) 27	C) 21	D) 20
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Puzzle 7. What comes next in the sequence?

9	14	15	22	21	30	?
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A) 38	B) 29	C) 27	D) 28
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Puzzle 8. What comes next in the sequence?

20	17	25	27	30	37	?
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A) 36	B) 40	C) 35	D) 47
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Puzzle 9. What comes next in the sequence?

2	11	15	24	28	37	41	?
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A) 54	B) 49	C) 45	D) 50
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Puzzle 10. What comes next in the sequence?

25	35	44	54	63	73	82	?
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A) 91	B) 101	C) 90	D) 92
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Answer Key

1. **C) 33**

Two interleaved series – odd: +8, even: +10.

6. **D) 20**

Two interleaved series – odd: +4, even: +7.

2. **A) 5829**

Sequence: 5, 21, 69, 213, 645, 1941, ...

7. **C) 27**

Two interleaved series – odd: +6, even: +8.

3. **B) 8**

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

8. **C) 35**

Two interleaved series – odd: +5, even: +10.

4. **C) 36**

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

9. **D) 50**

Sequence: 2, 11, 15, 24, 28, 37, 41, ...

5. **B) 445**

Sequence: 4, 11, 25, 53, 109, 221, ...

10. **D) 92**

Sequence: 25, 35, 44, 54, 63, 73, 82, ...