

Pattern Puzzles – Pack 49

Puzzle 1. What comes next in the sequence?

12	8	19	14	26	20	?
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A) 32	B) 33	C) 34	D) 26
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Puzzle 2. What comes next in the sequence?

8	23	46	77	116	163	?
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A) 226	B) 234	C) 210	D) 218
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Puzzle 3. What comes next in the sequence?

4	10	10	15	16	20	?
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A) 22	B) 23	C) 21	D) 25
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Puzzle 4. What number replaces the question mark in the grid?

4	8	16
2	8	32
4	8	?

A) 16	B) 19	C) 64	D) 10
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Puzzle 5. What number replaces the question mark in the grid?

2	4	8
1	3	9
4	12	?

A) 36	B) 15	C) 24	D) 35
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Puzzle 6. What comes next in the sequence?

13	4	17	12	21	20	?
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| A) 29 | B) 25 | C) 28 | D) 26 |
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Puzzle 7. What comes next in the sequence?

9	16	14	25	19	34	?
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| A) 28 | B) 24 | C) 43 | D) 25 |
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Puzzle 8. What comes next in the sequence?

3	10	31	94	283	850	?
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| A) 2550 | B) 2552 | C) 2551 | D) 851 |
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Puzzle 9. What comes next in the sequence?

29	38	45	54	61	70	77	?
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|-------|-------|-------|-------|
| A) 84 | B) 85 | C) 86 | D) 93 |
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Puzzle 10. What comes next in the sequence?

7	21	43	73	111	157	?
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|--------|--------|--------|--------|
| A) 168 | B) 219 | C) 211 | D) 203 |
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Answer Key

1. **B) 33**

Two interleaved series – odd: +7, even: +6.

6. **B) 25**

Two interleaved series – odd: +4, even: +8.

2. **D) 218**

Sequence: 8, 23, 46, 77, 116, 163, ...

7. **B) 24**

Two interleaved series – odd: +5, even: +9.

3. **A) 22**

Two interleaved series – odd: +6, even: +5.

8. **C) 2551**

Sequence: 3, 10, 31, 94, 283, 850, ...

4. **A) 16**

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

9. **C) 86**

Sequence: 29, 38, 45, 54, 61, 70, 77, ...

5. **A) 36**

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

10. **C) 211**

Sequence: 7, 21, 43, 73, 111, 157, ...