

Pattern Puzzles – Pack 14

Puzzle 1. What comes next in the sequence?

8	6	14	12	20	18	?
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- A) 24 B) 21 C) 27 D) 26

Puzzle 2. What number replaces the question mark in the grid?

4	12	36
2	8	32
4	8	?

- A) 24 B) 64 C) 10 D) 16

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

1	2	4
2	4	8
3	9	?

- A) 24 B) 27 C) 18 D) 12

Puzzle 4. What comes next in the sequence?

10	22	38	58	82	110	?
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- A) 147 B) 146 C) 142 D) 138

Puzzle 5. What comes next in the sequence?

7	10	22	25	37	40	52	?
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- A) 54 B) 55 C) 64 D) 67

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Puzzle 6. What number replaces the question mark in the grid?

4	12	36
3	6	12
3	6	?

- A) 12
 B) 18
 C) 8
 D) 15

Puzzle 7. What comes next in the sequence?

13	17	22	26	31	35	40	?
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- A) 43
 B) 44
 C) 45
 D) 49

Puzzle 8. What comes next in the sequence?

3	14	10	17	17	20	?
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- A) 20
 B) 24
 C) 25
 D) 23

Puzzle 9. What comes next in the sequence?

5	14	27	44	65	90	?
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- A) 119
 B) 118
 C) 123
 D) 112

Puzzle 10. What comes next in the sequence?

12	20	32	48	68	92	?
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- A) 137
 B) 116
 C) 120
 D) 124

Answer Key

1. **D) 26**

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

6. **A) 12**

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

2. **D) 16**

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

7. **B) 44**

Sequence: 13, 17, 22, 26, 31, 35, 40, ...

3. **B) 27**

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

8. **B) 24**

Two interleaved series – odd: +7, even: +3.

4. **C) 142**

Sequence: 10, 22, 38, 58, 82, 110, ...

9. **A) 119**

Formula: $4 \times n(n+1)/2 + 1n$.

5. **B) 55**

Sequence: 7, 10, 22, 25, 37, 40, 52, ...

10. **C) 120**

Sequence: 12, 20, 32, 48, 68, 92, ...