

Pattern Puzzles – Pack 17

Puzzle 1. What comes next in the sequence?

21	27	35	41	49	55	63	?
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A) 68	B) 69	C) 71	D) 77
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Puzzle 2. What number replaces the question mark in the grid?

3	9	27
3	6	12
3	9	?

A) 12	B) 30	C) 28	D) 27
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Puzzle 3. What comes next in the sequence?

12	16	24	28	36	40	48	?
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A) 56	B) 60	C) 51	D) 52
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Puzzle 4. What comes next in the sequence?

3	17	8	22	13	27	?
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A) 32	B) 19	C) 18	D) 14
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Puzzle 5. What number replaces the question mark in the grid?

3	6	12
4	8	16
3	9	?

A) 12	B) 29	C) 27	D) 18
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Puzzle 6. What comes next in the sequence?

7	18	33	52	75	102	?
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A) 112	B) 130	C) 137	D) 133
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Puzzle 7. What comes next in the sequence?

12	3	16	7	20	11	?
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A) 24	B) 20	C) 15	D) 25
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Puzzle 8. What comes next in the sequence?

10	18	28	40	54	70	?
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A) 90	B) 101	C) 88	D) 86
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Puzzle 9. What comes next in the sequence?

12	17	21	26	30	35	39	?
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A) 44	B) 48	C) 47	D) 43
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Puzzle 10. What comes next in the sequence?

7	12	19	28	39	52	?
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A) 67	B) 73	C) 65	D) 69
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Answer Key

- 1. B) 69**
Sequence: 21, 27, 35, 41, 49, 55, 63, ...
- 2. D) 27**
Each row is a geometric sequence. Row 3 ratio: $\times 3$.
- 3. D) 52**
Sequence: 12, 16, 24, 28, 36, 40, 48, ...
- 4. C) 18**
Two interleaved series – odd: +5, even: +5.
- 5. C) 27**
Each row is a geometric sequence. Row 3 ratio: $\times 3$.
- 6. D) 133**
Formula: $4 \times n(n+1)/2 + 3n$.
- 7. A) 24**
Two interleaved series – odd: +4, even: +4.
- 8. C) 88**
Sequence: 10, 18, 28, 40, 54, 70, ...
- 9. A) 44**
Sequence: 12, 17, 21, 26, 30, 35, 39, ...
- 10. A) 67**
Sequence: 7, 12, 19, 28, 39, 52, ...