

Pattern Puzzles – Pack 35

Puzzle 1. What comes next in the sequence?

11	11	12	11	15	18	16	19	19	25	20	27	?
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A) 24	B) 26	C) 32	D) 23
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Puzzle 2. What comes next in the sequence?

6	3	11	9	13	5	13	17	20	7	15	25	?
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A) 27	B) 22	C) 28	D) 9
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Puzzle 3. What number replaces the question mark in the grid?

3	1	3
3	12	4
4	2	?

A) 14	B) 15	C) 8	D) 9
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Puzzle 4. What comes next in the sequence?

10	48	172	460	1014	1960	3448	5652	?
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A) 5652	B) 8770	C) 8794	D) 8746
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Puzzle 5. What number replaces the question mark in the grid?

5	2	1
3	10	25
7	9	?

A) 3	B) 2	C) 0	D) 1
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Puzzle 6. What number replaces the question mark in the grid?

5	4	1
1	1	2
9	16	?

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Puzzle 7. What comes next in the sequence?

8	44	158	422	932	1808	3194	5258	?
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Puzzle 8. What number replaces the question mark in the grid?

4	5	3
9	8	4
2	8	?

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Puzzle 9. What comes next in the sequence?

13	10	4	6	21	14	8	12	29	18	12	18	?
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Puzzle 10. What number replaces the question mark in the grid?

5	7	1
11	17	26
5	4	?

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Answer Key

1. **D) 23**

Four interleaved arithmetic series (period 4):

6. **D) 25**

Column sums are triangular numbers: 15, 21, 28.

2. **A) 27**

Four interleaved arithmetic series (period 4):

7. **C) 8192**

4th differences are all 24 (quartic sequence).

3. **A) 14**

Column sums are triangular numbers: 10, 15, 21.

8. **B) 21**

Column sums are triangular numbers: 15, 21, 28.

4. **B) 8770**

4th differences are all 24 (quartic sequence).

9. **D) 37**

Four interleaved arithmetic series (period 4):

5. **B) 2**

Column sums are triangular numbers: 15, 21, 28.

10. **A) 9**

Column sums are triangular numbers: 21, 28, 36.