

Pattern Puzzles – Pack 34

Puzzle 1. What comes next in the sequence?

3	13	43	133	403	1213	?
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|---------|---------|---------|---------|
| A) 3643 | B) 3639 | C) 1217 | D) 3644 |
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Puzzle 2. What comes next in the sequence?

7	11	17	25	35	47	?
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|-------|-------|-------|-------|
| A) 63 | B) 55 | C) 59 | D) 61 |
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Puzzle 3. What comes next in the sequence?

6	16	16	25	26	34	?
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|-------|-------|-------|-------|
| A) 35 | B) 37 | C) 43 | D) 36 |
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Puzzle 4. What comes next in the sequence?

2	8	26	80	242	728	?
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| A) 2184 | B) 2187 | C) 730 | D) 2186 |
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Puzzle 5. What comes next in the sequence?

13	16	22	24	31	32	?
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| A) 43 | B) 39 | C) 41 | D) 40 |
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Puzzle 6. What comes next in the sequence?

3	13	19	29	35	45	51	?
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- A) 61
 B) 60
 C) 67
 D) 57

Puzzle 7. What comes next in the sequence?

7	16	29	46	67	92	?
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- A) 117
 B) 130
 C) 125
 D) 121

Puzzle 8. What comes next in the sequence?

4	17	9	22	14	27	?
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- A) 32
 B) 19
 C) 15
 D) 20

Puzzle 9. What number replaces the question mark in the grid?

3	6	12
1	2	4
1	2	?

- A) 4
 B) 1
 C) 7
 D) 6

Puzzle 10. What comes next in the sequence?

8	17	30	47	68	93	?
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- A) 122
 B) 126
 C) 118
 D) 135

Answer Key

- 1. A) 3643**
Sequence: 3, 13, 43, 133, 403, 1213, ...
- 2. D) 61**
Sequence: 7, 11, 17, 25, 35, 47, ...
- 3. D) 36**
Two interleaved series – odd: +10, even: +9.
- 4. D) 2186**
Sequence: 2, 8, 26, 80, 242, 728, ...
- 5. D) 40**
Two interleaved series – odd: +9, even: +8.
- 6. A) 61**
Sequence: 3, 13, 19, 29, 35, 45, 51, ...
- 7. D) 121**
Sequence: 7, 16, 29, 46, 67, 92, ...
- 8. B) 19**
Two interleaved series – odd: +5, even: +5.
- 9. A) 4**
Each row is a geometric sequence. Row 3 ratio: $\times 2$.
- 10. A) 122**
Sequence: 8, 17, 30, 47, 68, 93, ...