

Pattern Puzzles – Pack 16

Puzzle 1. What number replaces the question mark in the grid?

4	8	16
1	3	9
1	3	?

- A) 7
 B) 4
 C) 6
 D) 9

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

4	12	36
2	8	32
1	2	?

- A) 6
 B) 16
 C) 5
 D) 4

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

1	3	9
1	3	9
4	12	?

- A) 15
 B) 42
 C) 29
 D) 36

Puzzle 4. What comes next in the sequence?

7	14	13	24	19	34	?
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- A) 25
 B) 26
 C) 44
 D) 29

Puzzle 5. What comes next in the sequence?

4	10	22	46	94	190	?
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- A) 383
 B) 380
 C) 192
 D) 382

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Puzzle 6. What comes next in the sequence?

19	31	41	53	63	75	85	?
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|-------|-------|-------|--------|
| A) 97 | B) 95 | C) 96 | D) 107 |
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Puzzle 7. What comes next in the sequence?

6	4	12	9	18	14	?
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|-------|-------|-------|-------|
| A) 24 | B) 19 | C) 25 | D) 23 |
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Puzzle 8. What comes next in the sequence?

2	5	15	18	28	31	41	?
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|-------|-------|-------|-------|
| A) 54 | B) 51 | C) 43 | D) 44 |
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Puzzle 9. What comes next in the sequence?

11	29	55	89	131	181	?
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|--------|--------|--------|--------|
| A) 239 | B) 201 | C) 247 | D) 231 |
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Puzzle 10. What comes next in the sequence?

15	4	22	7	29	10	?
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|-------|-------|-------|-------|
| A) 32 | B) 36 | C) 37 | D) 13 |
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Answer Key

1. **D) 9**

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

6. **A) 97**

Sequence: 19, 31, 41, 53, 63, 75, 85, ...

2. **D) 4**

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

7. **A) 24**

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

3. **D) 36**

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

8. **D) 44**

Sequence: 2, 5, 15, 18, 28, 31, 41, ...

4. **A) 25**

Two interleaved series – odd: +6, even: +10.

9. **A) 239**

Sequence: 11, 29, 55, 89, 131, 181, ...

5. **D) 382**

Sequence: 4, 10, 22, 46, 94, 190, ...

10. **B) 36**

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