

### Pattern Puzzles – Pack 36

**Puzzle 1.** What comes next in the sequence?

6	15	33	69	141	285	?
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- A) 574      B) 288      C) 570      D) 573

**Puzzle 2.** What comes next in the sequence?

13	23	37	55	77	103	?
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- A) 112      B) 129      C) 137      D) 133

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

3	6	12
1	2	4
2	6	?

- A) 8      B) 12      C) 9      D) 18

**Puzzle 4.** What comes next in the sequence?

14	20	17	29	20	38	?
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- A) 24      B) 23      C) 29      D) 47

**Puzzle 5.** What comes next in the sequence?

10	20	31	41	52	62	73	?
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- A) 82      B) 83      C) 94      D) 84

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**Puzzle 6.** What comes next in the sequence?

10	20	27	37	44	54	61	?
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|-------|-------|-------|-------|
| A) 70 | B) 71 | C) 78 | D) 68 |
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**Puzzle 7.** What comes next in the sequence?

16	19	25	22	34	25	?
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|-------|-------|-------|-------|
| A) 44 | B) 43 | C) 28 | D) 37 |
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**Puzzle 8.** What comes next in the sequence?

6	25	82	253	766	2305	?
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|---------|---------|---------|---------|
| A) 6922 | B) 6923 | C) 2312 | D) 6915 |
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**Puzzle 9.** What comes next in the sequence?

9	2	18	5	27	8	?
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|-------|-------|-------|-------|
| A) 30 | B) 36 | C) 11 | D) 37 |
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**Puzzle 10.** What comes next in the sequence?

12	25	46	75	112	157	?
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|--------|--------|--------|--------|
| A) 202 | B) 178 | C) 218 | D) 210 |
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## Answer Key

1. **D) 573**  
Sequence: 6, 15, 33, 69, 141, 285, ...
2. **D) 133**  
Sequence: 13, 23, 37, 55, 77, 103, ...
3. **D) 18**  
Each row is a geometric sequence. Row 3 ratio:  $\times 3$ .
4. **B) 23**  
Two interleaved series – odd: +3, even: +9.
5. **B) 83**  
Sequence: 10, 20, 31, 41, 52, 62, 73, ...
6. **B) 71**  
Sequence: 10, 20, 27, 37, 44, 54, 61, ...
7. **B) 43**  
Two interleaved series – odd: +9, even: +3.
8. **A) 6922**  
Sequence: 6, 25, 82, 253, 766, 2305, ...
9. **B) 36**  
Two interleaved series – odd: +9, even: +3.
10. **D) 210**  
Sequence: 12, 25, 46, 75, 112, 157, ...