

## Pattern Puzzles – Pack 51

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

9	20	35	54	77	104	?
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A) 131	B) 135	C) 139	D) 130
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**Puzzle 2.** What comes next in the sequence?

10	20	14	28	18	36	?
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A) 23	B) 44	C) 26	D) 22
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**Puzzle 3.** What comes next in the sequence?

22	29	40	47	58	65	76	?
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A) 83	B) 82	C) 87	D) 94
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**Puzzle 4.** What comes next in the sequence?

2	5	11	23	47	95	?
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A) 96	B) 190	C) 192	D) 191
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**Puzzle 5.** What comes next in the sequence?

3	11	22	30	41	49	60	?
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A) 79	B) 67	C) 68	D) 71
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**Puzzle 6.** What number replaces the question mark in the grid?

1	2	4
2	6	18
2	6	?

- A) 13     
  B) 9     
  C) 12     
  D) 18

**Puzzle 7.** What comes next in the sequence?

7	9	13	12	19	15	?
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- A) 26     
  B) 22     
  C) 18     
  D) 25

**Puzzle 8.** What number replaces the question mark in the grid?

2	6	18
1	2	4
4	8	?

- A) 16     
  B) 10     
  C) 13     
  D) 24

**Puzzle 9.** What comes next in the sequence?

8	14	17	17	26	20	?
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- A) 29     
  B) 35     
  C) 36     
  D) 23

**Puzzle 10.** What comes next in the sequence?

21	29	41	49	61	69	81	?
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- A) 88     
  B) 93     
  C) 101     
  D) 89

## Answer Key

1. **B) 135**

Sequence: 9, 20, 35, 54, 77, 104, ...

6. **D) 18**

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

2. **D) 22**

Two interleaved series – odd: +4, even: +8.

7. **D) 25**

Two interleaved series – odd: +6, even: +3.

3. **A) 83**

Sequence: 22, 29, 40, 47, 58, 65, 76, ...

8. **A) 16**

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

4. **D) 191**

Sequence: 2, 5, 11, 23, 47, 95, ...

9. **B) 35**

Two interleaved series – odd: +9, even: +3.

5. **C) 68**

Sequence: 3, 11, 22, 30, 41, 49, 60, ...

10. **D) 89**

Sequence: 21, 29, 41, 49, 61, 69, 81, ...