

### Pattern Puzzles – Pack 39

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

5	18	39	68	105	150	?
---	----	----	----	-----	-----	---

- A) 195      B) 235      C) 211      D) 203

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

2	6	18
2	8	32
2	6	?

- A) 32      B) 9      C) 18      D) 15

**Puzzle 3.** What comes next in the sequence?

6	16	32	54	82	116	?
---	----	----	----	----	-----	---

- A) 153      B) 150      C) 162      D) 156

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

12	4	22	11	32	18	?
----	---	----	----	----	----	---

- A) 39      B) 43      C) 42      D) 25

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

13	28	51	82	121	168	?
----	----	----	----	-----	-----	---

- A) 231      B) 215      C) 223      D) 211

### Pattern Puzzles – Pack 39

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

21	25	28	32	35	39	42	?
----	----	----	----	----	----	----	---

A) 45	B) 49	C) 46	D) 39
-------	-------	-------	-------

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

6	13	23	30	40	47	57	?
---	----	----	----	----	----	----	---

A) 63	B) 64	C) 67	D) 74
-------	-------	-------	-------

**Puzzle 8.** What comes next in the sequence?

3	14	47	146	443	1334	?
---	----	----	-----	-----	------	---

A) 4008	B) 4007	C) 1339	D) 4002
---------	---------	---------	---------

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

13	19	31	37	49	55	67	?
----	----	----	----	----	----	----	---

A) 72	B) 79	C) 73	D) 85
-------	-------	-------	-------

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

19	23	28	32	37	41	46	?
----	----	----	----	----	----	----	---

A) 51	B) 50	C) 49	D) 55
-------	-------	-------	-------

## Answer Key

1. **D) 203**

Sequence: 5, 18, 39, 68, 105, 150, ...

6. **C) 46**

Sequence: 21, 25, 28, 32, 35, 39, 42, ...

2. **C) 18**

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

7. **B) 64**

Sequence: 6, 13, 23, 30, 40, 47, 57, ...

3. **D) 156**

Sequence: 6, 16, 32, 54, 82, 116, ...

8. **B) 4007**

Sequence: 3, 14, 47, 146, 443, 1334, ...

4. **C) 42**

Two interleaved series – odd: +10, even: +7.

9. **C) 73**

Sequence: 13, 19, 31, 37, 49, 55, 67, ...

5. **C) 223**

Sequence: 13, 28, 51, 82, 121, 168, ...

10. **B) 50**

Sequence: 19, 23, 28, 32, 37, 41, 46, ...