

Pattern Puzzles – Pack 33

Puzzle 1. What comes next in the sequence?

2	9	13	20	24	31	35	?
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A) 42	B) 39	C) 46	D) 41
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Puzzle 2. What comes next in the sequence?

6	13	27	55	111	223	?
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A) 224	B) 447	C) 446	D) 448
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Puzzle 3. What comes next in the sequence?

7	16	27	40	55	72	?
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A) 93	B) 91	C) 78	D) 89
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Puzzle 4. What comes next in the sequence?

13	22	35	52	73	98	?
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A) 107	B) 127	C) 131	D) 123
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Puzzle 5. What comes next in the sequence?

5	14	32	68	140	284	?
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A) 568	B) 572	C) 288	D) 573
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Puzzle 6. What comes next in the sequence?

17	26	31	40	45	54	59	?
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- A) 68 B) 73 C) 67 D) 64

Puzzle 7. What number replaces the question mark in the grid?

4	8	16
1	4	16
1	3	?

- A) 9 B) 16 C) 6 D) 5

Puzzle 8. What comes next in the sequence?

4	8	19	23	34	38	49	?
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- A) 53 B) 64 C) 52 D) 60

Puzzle 9. What comes next in the sequence?

8	15	24	35	48	63	?
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- A) 82 B) 88 C) 80 D) 78

Puzzle 10. What number replaces the question mark in the grid?

3	6	12
2	6	18
1	2	?

- A) 4 B) 0 C) 9 D) 1

Answer Key

1. **A) 42**

Sequence: 2, 9, 13, 20, 24, 31, 35, ...

6. **A) 68**

Sequence: 17, 26, 31, 40, 45, 54, 59, ...

2. **B) 447**

Sequence: 6, 13, 27, 55, 111, 223, ...

7. **A) 9**

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

3. **B) 91**

Sequence: 7, 16, 27, 40, 55, 72, ...

8. **A) 53**

Sequence: 4, 8, 19, 23, 34, 38, 49, ...

4. **B) 127**

Sequence: 13, 22, 35, 52, 73, 98, ...

9. **C) 80**

Sequence: 8, 15, 24, 35, 48, 63, ...

5. **B) 572**

Sequence: 5, 14, 32, 68, 140, 284, ...

10. **A) 4**

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