

### Pattern Puzzles – Pack 13

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

11	6	21	15	31	24	?
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- A) 42      B) 40      C) 41      D) 33

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

21	31	35	45	49	59	63	?
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- A) 77      B) 73      C) 72      D) 67

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

14	19	28	33	42	47	56	?
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- A) 60      B) 61      C) 65      D) 70

**Puzzle 4.** What number replaces the question mark in the grid?

2	4	8
1	4	16
3	6	?

- A) 48      B) 8      C) 12      D) 16

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

8	19	26	37	44	55	62	?
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- A) 80      B) 73      C) 69      D) 72

### Pattern Puzzles – Pack 13

**Puzzle 6.** What number replaces the question mark in the grid?

2	4	8
3	9	27
3	9	?

- A) 12     
  B) 18     
  C) 27     
  D) 22

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

8	20	36	56	80	108	?
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- A) 144     
  B) 164     
  C) 136     
  D) 140

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

12	21	34	51	72	97	?
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- A) 126     
  B) 141     
  C) 130     
  D) 122

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

2	7	22	67	202	607	?
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- A) 1823     
  B) 1821     
  C) 1822     
  D) 608

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

6	16	30	48	70	96	?
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- A) 112     
  B) 126     
  C) 130     
  D) 124

## Answer Key

1. **C) 41**  
Two interleaved series – odd: +10, even: +9.
2. **B) 73**  
Sequence: 21, 31, 35, 45, 49, 59, 63, ...
3. **B) 61**  
Sequence: 14, 19, 28, 33, 42, 47, 56, ...
4. **C) 12**  
Each row is a geometric sequence. Row 3 ratio:  $\times 2$ .
5. **B) 73**  
Sequence: 8, 19, 26, 37, 44, 55, 62, ...
6. **C) 27**  
Each row is a geometric sequence. Row 3 ratio:  $\times 3$ .
7. **D) 140**  
Sequence: 8, 20, 36, 56, 80, 108, ...
8. **A) 126**  
Sequence: 12, 21, 34, 51, 72, 97, ...
9. **C) 1822**  
Sequence: 2, 7, 22, 67, 202, 607, ...
10. **B) 126**  
Formula:  $4 \times n(n+1)/2 + 2n$ .