

Pattern Puzzles – Pack 45

Puzzle 1. What comes next in the sequence?

| | | | | | | | |
|---|----|----|----|----|----|----|---|
| 4 | 10 | 21 | 27 | 38 | 44 | 55 | ? |
|---|----|----|----|----|----|----|---|

| | | | |
|-------|-------|-------|-------|
| A) 66 | B) 60 | C) 61 | D) 72 |
|-------|-------|-------|-------|

Puzzle 2. What comes next in the sequence?

| | | | | | | |
|---|----|----|----|----|----|---|
| 8 | 12 | 17 | 17 | 26 | 22 | ? |
|---|----|----|----|----|----|---|

| | | | |
|-------|-------|-------|-------|
| A) 35 | B) 27 | C) 31 | D) 36 |
|-------|-------|-------|-------|

Puzzle 3. What comes next in the sequence?

| | | | | | | | |
|---|----|----|----|----|----|----|---|
| 9 | 13 | 25 | 29 | 41 | 45 | 57 | ? |
|---|----|----|----|----|----|----|---|

| | | | |
|-------|-------|-------|-------|
| A) 73 | B) 61 | C) 69 | D) 60 |
|-------|-------|-------|-------|

Puzzle 4. What comes next in the sequence?

| | | | | | | |
|---|---|----|----|-----|-----|---|
| 1 | 7 | 25 | 79 | 241 | 727 | ? |
|---|---|----|----|-----|-----|---|

| | | | |
|--------|---------|---------|---------|
| A) 731 | B) 2186 | C) 2181 | D) 2185 |
|--------|---------|---------|---------|

Puzzle 5. What comes next in the sequence?

| | | | | | | |
|---|----|----|----|----|----|---|
| 9 | 17 | 29 | 45 | 65 | 89 | ? |
|---|----|----|----|----|----|---|

| | | | |
|--------|--------|--------|--------|
| A) 117 | B) 113 | C) 121 | D) 103 |
|--------|--------|--------|--------|

Pattern Puzzles – Pack 45

Puzzle 6. What comes next in the sequence?

| | | | | | | |
|----|----|----|----|----|----|---|
| 13 | 15 | 23 | 24 | 33 | 33 | ? |
|----|----|----|----|----|----|---|

- A) 36 B) 44 C) 42 D) 43

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

| | | |
|---|---|----|
| 3 | 6 | 12 |
| 4 | 8 | 16 |
| 4 | 8 | ? |

- A) 12 B) 10 C) 17 D) 16

Puzzle 8. What comes next in the sequence?

| | | | | | | |
|---|----|----|----|-----|-----|---|
| 8 | 21 | 42 | 71 | 108 | 153 | ? |
|---|----|----|----|-----|-----|---|

- A) 245 B) 206 C) 214 D) 198

Puzzle 9. What comes next in the sequence?

| | | | | | | | |
|----|----|----|----|----|----|----|---|
| 30 | 39 | 47 | 56 | 64 | 73 | 81 | ? |
|----|----|----|----|----|----|----|---|

- A) 90 B) 89 C) 98 D) 74

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

| | | |
|---|---|---|
| 2 | 4 | 8 |
| 2 | 4 | 8 |
| 3 | 6 | ? |

- A) 12 B) 8 C) 7 D) 15

Answer Key

1. **C) 61**

Sequence: 4, 10, 21, 27, 38, 44, 55, ...

6. **D) 43**

Two interleaved series – odd: +10, even: +9.

2. **A) 35**

Two interleaved series – odd: +9, even: +5.

7. **D) 16**

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

3. **B) 61**

Sequence: 9, 13, 25, 29, 41, 45, 57, ...

8. **B) 206**

Sequence: 8, 21, 42, 71, 108, 153, ...

4. **D) 2185**

Sequence: 1, 7, 25, 79, 241, 727, ...

9. **A) 90**

Sequence: 30, 39, 47, 56, 64, 73, 81, ...

5. **A) 117**

Sequence: 9, 17, 29, 45, 65, 89, ...

10. **A) 12**

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