Pattern Puzzles — Pack 23

Puzzle 1. What number replaces the question mark in the grid?

5	5	11
10	7	17
18	4	?

A) 32 B) 33 C) 12 D) 46

Puzzle 2. What comes next in the sequence?

2	3	5	9	7	27	12	81	19	?

A) 244 B) 243 C) 249 D) 31

Puzzle 3. What number replaces the question mark in the grid?

4	1	16
6	5	23
10	5	?

A) 19 B) 40 C) 53 D) 39

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

1	1	3
1	1	6
2	1	?

A) 5 B) 13 C) 9 D) 10

Puzzle 5. What number replaces the question mark in the grid?

2	2	4
2	4	7
4	7	?

A) 9 B) 10 C) 15 D) 2

Pattern Puzzles — Pack 23

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

2	1	5
4	1	8
6	1	?

A) 13 B) 6 C) 14 D) 19

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

1	1	3
1	2	5
4	3	?

A) 6 B) 1 C) 9 D) 5

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

1	1	6
2	1	10
4	5	?

A) 12 B) 11 C) 17 D) 4

Puzzle 9. What number replaces the question mark in the grid?

2	4	7
1	4	16
4	4	?

A) 13 B) 34 C) 25 D) 26

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

1	1	3
1	1	6
3	2	?

A) 8 B) 11 C) 3 D) 7

Answer Key

1. **B) 33**
Row sums are Fibonacci numbers: F(8)=21, F(9)=34, F(10)=55.

2. **B) 243**
Odd positions: Fibonacci-like sequence starting 2, 5.

3. **B) 40**
Row sums are Fibonacci numbers: F(8)=21, F(9)=34, F(10)=55.

4. **D) 10**
Row sums are Fibonacci numbers: F(5)=5, F(6)=8, F(7)=13.

5. **B) 10**
Row sums are Fibonacci numbers: F(6)=8, F(7)=13, F(8)=21.

6. **C) 14**
Row sums are Fibonacci numbers: F(6)=8, F(7)=13, F(8)=21.

7. **A) 6**
Row sums are Fibonacci numbers: F(5)=5, F(6)=8, F(7)=13.

8. **A) 12**
Row sums are Fibonacci numbers: F(6)=8, F(7)=13, F(8)=21.

9. **D) 26**
Row sums are Fibonacci numbers: F(7)=13, F(8)=21, F(9)=34.

10. **A) 8**
Row sums are Fibonacci numbers: F(5)=5, F(6)=8, F(7)=13.