Pattern Puzzles — Pack 51

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

4	4	5
4	4	13
11	2	?

A) 8 B) 21 C) 20 D) 29

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

2	3	8
7	6	8
9	10	?

A) 14 B) 23 C) 15 D) 2

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

2	2	4
4	2	7
7	1	?

A) 12 B) 13 C) 5 D) 18

Puzzle 4. What comes next in the sequence?

5	4	5	8	10	16	15	32	25	?

A) 59 B) 65 C) 64 D) 40

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

4	4	13
6	6	22
10	12	?

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

Pattern Puzzles — Pack 51

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

2	2	4
2	1	10
5	3	?

A) 5 B) 18 C) 12 D) 13

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

5	5	11
8	3	23
1	1	?

A) 52 B) 53 C) 66 D) 32

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

1	1	6
2	1	10
1	3	?

A) 17 B) 9 C) 22 D) 16

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

2	2	9
2	5	14
4	4	?

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

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

1	1	3
1	1	6
4	2	?

A) 2 B) 7 C) 10 D) 6

Answer Key

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

2. **C) 15**
   Row sums are Fibonacci numbers: F(7)=13, F(8)=21, F(9)=34.

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

4. **C) 64**
   Odd positions: Fibonacci-like sequence starting 5, 5.

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

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

7. **B) 53**
   Row sums are Fibonacci numbers: F(8)=21, F(9)=34, F(10)=55.

8. **A) 17**
   Row sums are Fibonacci numbers: F(6)=8, F(7)=13, F(8)=21.

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

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