Pattern Puzzles — Pack 40

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

1	2	5
2	2	9
6	6	?

A) 14 B) 1 C) 8 D) 9

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

2	6	13
4	6	24
15	17	?

A) 22 B) 2 C) 36 D) 23

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

1	1	3
1	2	5
4	4	?

A) 0 B) 4 C) 8 D) 5

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

1	1	3
1	1	6
1	1	?

A) 6 B) 10 C) 14 D) 11

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

4	1	8
3	6	12
3	11	?

A) 20 B) 28 C) 7 D) 19

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

1	2	5
4	1	8
7	3	?

A) 16 B) 3 C) 10 D) 11

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

6	2	13
1	3	30
2	12	?

A) 20 B) 41 C) 54 D) 40

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

1	4	8
2	4	15
11	8	?

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

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

2	2	4
1	1	11
2	1	?

A) 23 B) 18 C) 10 D) 17

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

2	2	9
5	7	9
8	3	?

A) 10 B) 22 C) 31 D) 23

Answer Key

1. **D) 9**
Row sums are Fibonacci numbers: F(6)=8, F(7)=13, F(8)=21.

2. **D) 23**
Row sums are Fibonacci numbers: F(8)=21, F(9)=34, F(10)=55.

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

4. **D) 11**
Row sums are Fibonacci numbers: F(5)=5, F(6)=8, F(7)=13.

5. **A) 20**
Row sums are Fibonacci numbers: F(7)=13, F(8)=21, F(9)=34.

6. **D) 11**
Row sums are Fibonacci numbers: F(6)=8, F(7)=13, F(8)=21.

7. **B) 41**
Row sums are Fibonacci numbers: F(8)=21, F(9)=34, F(10)=55.

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

9. **B) 18**
Row sums are Fibonacci numbers: F(6)=8, F(7)=13, F(8)=21.

10. **D) 23**
Row sums are Fibonacci numbers: F(7)=13, F(8)=21, F(9)=34.