Pattern Puzzles — Pack 56

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

3	1	17
10	6	18
10	13	?

A) 45 B) 31 C) 32 D) 11

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

3	4	6
1	4	16
4	4	?

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

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

1	2	5
2	1	10
4	1	?

A) 8 B) 16 C) 15 D) 21

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

2	1	18
5	11	18
13	1	?

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

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

2	1	10
4	3	14
3	1	?

A) 17 B) 30 C) 29 D) 38

Pattern Puzzles — Pack 56

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

1	2	5
2	4	7
4	6	?

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

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

2	1	5
3	2	8
7	6	?

A) 0 B) 13 C) 8 D) 7

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

5	4	12
3	9	22
7	12	?

A) 15 B) 49 C) 35 D) 36

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

2	1	10
6	3	12
10	1	?

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

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

4	1	16
1	4	29
2	16	?

A) 50 B) 37 C) 16 D) 36

Answer Key

1. **C) 32**
Row sums are Fibonacci numbers: F(8)=21, F(9)=34, F(10)=55.

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

3. **B) 16**
Row sums are Fibonacci numbers: F(6)=8, F(7)=13, F(8)=21.

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

5. **B) 30**
Row sums are Fibonacci numbers: F(7)=13, F(8)=21, F(9)=34.

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

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

8. **D) 36**
Row sums are Fibonacci numbers: F(8)=21, F(9)=34, F(10)=55.

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

10. **B) 37**
Row sums are Fibonacci numbers: F(8)=21, F(9)=34, F(10)=55.