Pattern Puzzles — Pack 53

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

5	4	12
5	2	27
15	18	?

A) 22 B) 1 C) 35 D) 21

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

3	4	6
3	2	16
3	10	?

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

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

4	1	8
6	6	9
10	1	?

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

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

1	2	5
3	3	7
1	3	?

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

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

5	5	11
2	10	22
9	8	?

A) 38 B) 17 C) 51 D) 37

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

3	4	6
7	1	13
8	10	?

A) 16 B) 3 C) 15 D) 24

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

2	2	4
4	1	8
5	2	?

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

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

3	2	16
6	2	26
16	15	?

A) 24 B) 3 C) 23 D) 37

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

1	1	11
5	5	11
6	5	?

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

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

2	1	5
2	1	10
2	3	?

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

Answer Key

1. **A) 22**
   Row sums are Fibonacci numbers: F(8)=21, F(9)=34, F(10)=55.

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

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

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

5. **A) 38**
   Row sums are Fibonacci numbers: F(8)=21, F(9)=34, F(10)=55.

6. **A) 16**
   Row sums are Fibonacci numbers: F(7)=13, F(8)=21, F(9)=34.

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

8. **A) 24**
   Row sums are Fibonacci numbers: F(8)=21, F(9)=34, F(10)=55.

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

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