

### Pattern Puzzles – Pack 59

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

2	7	12
2	2	30
11	6	?

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

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

2	2	17
4	4	26
2	5	?

- A) 48     
  B) 27     
  C) 61     
  D) 47

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

6	7	8
10	2	22
2	4	?

- A) 49     
  B) 62     
  C) 28     
  D) 48

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

1	1	6
4	1	8
7	7	?

- A) 7     
  B) 9     
  C) 6     
  D) 12

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

2	2	4
4	2	7
7	3	?

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

### Pattern Puzzles – Pack 59

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

2	1	5
4	2	7
1	3	?

- 

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

2	7	12
3	9	22
18	17	?

- 

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

2	1	5
2	3	8
3	4	?

- 

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

6	3	12
9	8	17
13	4	?

- 

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

2	1	5
3	3	7
6	5	?

-

## Answer Key

**1. C) 38**

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

**6. B) 17**

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

**2. A) 48**

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

**7. C) 20**

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

**3. A) 49**

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

**8. C) 14**

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

**4. A) 7**

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

**9. D) 38**

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

**5. C) 11**

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

**10. B) 10**

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