

## Pattern Puzzles – Pack 55

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

4	3	6
1	2	18
3	11	?

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

1	3	9
4	6	11
3	7	?

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

1	2	5
4	2	7
7	6	?

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

1	4	8
4	6	11
3	3	?

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

5	2	14
7	9	18
16	1	?

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### Pattern Puzzles – Pack 55

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

1	2	5
1	1	11
1	2	?

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

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

3	6	12
10	6	18
10	1	?

- A) 44     
  B) 23     
  C) 57     
  D) 43

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

2	2	4
2	3	8
7	7	?

- A) 10     
  B) 12     
  C) 7     
  D) 6

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

2	2	4
1	1	11
7	1	?

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

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

3	1	17
3	5	26
9	1	?

- A) 58     
  B) 44     
  C) 24     
  D) 45

## Answer Key

1. **A) 20**

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

6. **C) 18**

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

2. **A) 24**

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

7. **A) 44**

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

3. **A) 8**

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

8. **C) 7**

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

4. **B) 28**

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

9. **D) 13**

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

5. **B) 38**

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

10. **D) 45**

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