

Pattern Puzzles – Pack 22

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

5	3	13
5	11	18
12	5	?

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

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

1	1	3
2	1	5
3	4	?

- A) 1
 B) 6
 C) 9
 D) 5

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

4	7	10
7	9	18
13	14	?

- A) 7
 B) 28
 C) 27
 D) 41

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

3	2	8
7	4	10
7	3	?

- A) 24
 B) 32
 C) 11
 D) 23

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

3	1	9
5	6	10
10	10	?

- A) 22
 B) 1
 C) 13
 D) 14

Pattern Puzzles – Pack 22

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

7	2	12
6	6	22
15	10	?

- A) 43
 B) 30
 C) 29
 D) 9

Puzzle 7. What comes next in the sequence?

4	4	2	8	6	16	8	32	14	?
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- A) 67
 B) 22
 C) 64
 D) 65

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

1	1	3
1	2	5
1	1	?

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

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

7	7	7
9	9	16
6	13	?

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

Puzzle 10. What comes next in the sequence?

5	2	4	4	9	8	13	16	22	?
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- A) 32
 B) 33
 C) 25
 D) 35

Answer Key

1. A) 38

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

6. B) 30

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

2. B) 6

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

7. C) 64

Odd positions: Fibonacci-like sequence starting 4, 2.

3. B) 28

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

8. D) 11

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

4. A) 24

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

9. D) 36

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

5. D) 14

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

10. A) 32

Odd positions: Fibonacci-like sequence starting 5, 4.