

Pattern Puzzles – Pack 48

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

2	2	4
1	1	11
3	4	?

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

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

1	4	8
3	3	15
6	9	?

- A) 18
 B) 6
 C) 19
 D) 27

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

1	4	8
1	2	18
8	8	?

- A) 26
 B) 5
 C) 17
 D) 18

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

2	1	18
9	11	14
11	1	?

- A) 42
 B) 43
 C) 56
 D) 22

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

7	7	7
8	1	25
15	11	?

- A) 42
 B) 28
 C) 29
 D) 8

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Puzzle 6. What comes next in the sequence?

2	4	4	12	6	36	10	108	16	?
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- A) 325 B) 319 C) 324 D) 26

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

1	1	11
7	5	9
10	8	?

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

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

2	3	8
7	3	11
6	6	?

- A) 21 B) 30 C) 9 D) 22

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

1	2	5
3	2	8
2	4	?

- A) 14 B) 7 C) 20 D) 15

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

4	3	14
1	10	23
6	4	?

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

Answer Key

1. A) 14

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

6. C) 324

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

2. C) 19

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

7. B) 16

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

3. D) 18

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

8. D) 22

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

4. B) 43

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

9. D) 15

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

5. C) 29

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

10. A) 45

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