

Pattern Puzzles – Pack 39

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

1	1	3
2	2	4
3	2	?

-

Puzzle 2. What comes next in the sequence?

5	3	5	9	10	27	15	81	25	?
---	---	---	---	----	----	----	----	----	---

-

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

3	2	8
6	1	14
8	8	?

-

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

1	2	5
4	2	7
3	6	?

-

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

1	2	5
4	4	5
4	5	?

-

Pattern Puzzles – Pack 39

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

1	4	8
7	2	12
6	5	?

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

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

2	4	7
5	2	14
7	1	?

- A) 13
 B) 34
 C) 26
 D) 25

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

4	1	8
3	7	11
10	2	?

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

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

2	2	4
1	1	11
7	4	?

- A) 9
 B) 15
 C) 10
 D) 2

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

4	3	14
5	3	26
10	3	?

- A) 41
 B) 55
 C) 42
 D) 21

Answer Key

1. C) 8

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

6. C) 23

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

2. C) 243

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

7. C) 26

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

3. A) 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. D) 12

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

9. C) 10

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

5. A) 12

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

10. C) 42

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