

Pattern Puzzles – Pack 24

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

1	1	3
2	2	4
2	4	?

- A) 6
 B) 7
 C) 2
 D) 10

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

1	5	15
9	11	14
12	16	?

- A) 27
 B) 6
 C) 40
 D) 26

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

6	2	13
9	3	22
1	15	?

- A) 52
 B) 18
 C) 39
 D) 38

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

4	4	5
3	1	17
5	1	?

- A) 15
 B) 27
 C) 36
 D) 28

Puzzle 5. What comes next in the sequence?

4	4	3	12	7	36	10	108	17	?
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- A) 325
 B) 339
 C) 27
 D) 324

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

1	1	6
1	2	10
1	2	?

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

Puzzle 7. What comes next in the sequence?

5	2	5	6	10	18	15	54	25	?
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- A) 167
 B) 163
 C) 162
 D) 40

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

1	1	6
1	3	9
5	5	?

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

Puzzle 9. What comes next in the sequence?

5	3	2	9	7	27	9	81	16	?
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- A) 25
 B) 244
 C) 243
 D) 216

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

1	1	3
2	1	5
2	1	?

- A) 10
 B) 13
 C) 5
 D) 9

Answer Key

1. **B) 7**

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

6. **D) 18**

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

2. **A) 27**

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

7. **C) 162**

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

3. **C) 39**

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

8. **C) 11**

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

4. **D) 28**

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

9. **C) 243**

Odd positions: Fibonacci-like sequence starting 5, 2.

5. **D) 324**

Odd positions: Fibonacci-like sequence starting 4, 3.

10. **A) 10**

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