

Pattern Puzzles – Pack 19

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

1	1	3
2	2	4
4	3	?

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

Puzzle 2. What comes next in the sequence?

5	4	4	12	9	36	13	108	22	?
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- A) 309
 B) 325
 C) 324
 D) 35

Puzzle 3. What comes next in the sequence?

5	2	3	4	8	8	11	16	19	?
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- A) 33
 B) 32
 C) 35
 D) 30

Puzzle 4. What comes next in the sequence?

5	3	5	6	10	12	15	24	25	?
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- A) 48
 B) 38
 C) 49
 D) 40

Puzzle 5. What comes next in the sequence?

2	4	3	12	5	36	8	108	13	?
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- A) 324
 B) 21
 C) 325
 D) 319

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

4	1	8
6	6	9
6	8	?

- A) 20
 B) 19
 C) 7
 D) 28

Puzzle 7. What comes next in the sequence?

3	3	4	6	7	12	11	24	18	?
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- A) 48
 B) 29
 C) 49
 D) 50

Puzzle 8. What comes next in the sequence?

5	2	5	4	10	8	15	16	25	?
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- A) 32
 B) 33
 C) 40
 D) 35

Puzzle 9. What comes next in the sequence?

5	4	3	12	8	36	11	108	19	?
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- A) 30
 B) 267
 C) 324
 D) 325

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

6	1	14
8	4	22
9	11	?

- A) 48
 B) 14
 C) 34
 D) 35

Answer Key

1. **C) 6**

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

6. **A) 20**

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

2. **C) 324**

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

7. **A) 48**

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

3. **B) 32**

Odd positions: Fibonacci-like sequence starting 5, 3.

8. **A) 32**

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

4. **A) 48**

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

9. **C) 324**

Odd positions: Fibonacci-like sequence starting 5, 3.

5. **A) 324**

Odd positions: Fibonacci-like sequence starting 2, 3.

10. **D) 35**

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