

Pattern Puzzles – Pack 25

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

2	2	4
2	4	7
2	3	?

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Puzzle 2. What comes next in the sequence?

5	4	3	8	8	16	11	32	19	?
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Puzzle 3. What comes next in the sequence?

5	2	2	4	7	8	9	16	16	?
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Puzzle 4. What number replaces the question mark in the grid?

2	3	8
7	7	7
4	11	?

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

3	1	9
6	5	10
4	5	?

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

2	2	9
3	6	12
8	2	?

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

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

5	6	10
3	1	30
3	5	?

- A) 60
 B) 26
 C) 46
 D) 47

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

4	7	10
7	6	21
6	7	?

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

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

1	1	19
5	2	27
4	15	?

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

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

2	3	8
7	2	12
5	10	?

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

Answer Key

1. D) 16

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

6. B) 24

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

2. A) 64

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

7. D) 47

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

3. C) 32

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

8. A) 42

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

4. A) 19

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

9. A) 36

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

5. D) 25

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

10. C) 19

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