

Pattern Puzzles – Pack 20

Puzzle 1. What comes next in the sequence?

3	2	4	6	7	18	11	54	18	?
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- A) 29 B) 163 C) 156 D) 162

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

4	3	6
7	7	7
8	4	?

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

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

6	6	9
1	9	24
10	18	?

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

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

6	4	11
2	8	24
1	8	?

- A) 25 B) 45 C) 46 D) 59

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

1	1	6
2	4	7
2	1	?

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

Pattern Puzzles – Pack 20

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

7	4	10
10	6	18
15	4	?

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

5	5	11
10	1	23
5	18	?

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

4	4	5
1	5	15
4	2	?

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

3	2	8
5	7	9
10	2	?

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

2	4	7
2	6	13
8	11	?

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Answer Key

1. D) 162

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

6. B) 36

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

2. D) 22

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

7. C) 32

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

3. C) 27

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

8. C) 28

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

4. C) 46

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

9. C) 22

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

5. B) 18

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

10. C) 15

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