

Pattern Puzzles – Pack 31

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

4	2	7
4	3	14
11	4	?

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

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

5	3	13
6	10	18
9	13	?

- A) 32
 B) 12
 C) 33
 D) 46

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

1	2	5
2	1	10
6	3	?

- A) 17
 B) 11
 C) 4
 D) 12

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

1	2	5
3	4	6
4	7	?

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

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

7	4	10
4	10	20
18	1	?

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

Pattern Puzzles – Pack 31

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

1	1	3
2	1	5
1	2	?

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

2	1	5
3	3	7
7	7	?

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

1	1	3
2	1	5
4	4	?

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

1	1	11
3	3	15
7	6	?

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

1	1	6
2	3	8
4	2	?

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Answer Key

1. B) 19

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

6. B) 10

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

2. C) 33

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

7. C) 7

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

3. D) 12

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

8. C) 5

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

4. B) 10

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

9. A) 21

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

5. C) 36

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

10. B) 15

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