

Pattern Puzzles – Pack 21

Puzzle 1. What comes next in the sequence?

4	2	3	4	7	8	10	16	17	?
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- A) 26 B) 33 C) 32 D) 27

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

6	6	9
10	5	19
10	16	?

- A) 28 B) 8 C) 29 D) 42

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

1	1	3
2	1	5
4	2	?

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

Puzzle 4. What comes next in the sequence?

5	2	4	6	9	18	13	54	22	?
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- A) 163 B) 35 C) 162 D) 174

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

4	3	6
3	5	13
3	9	?

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

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

3	3	7
7	1	13
6	2	?

- A) 34
 B) 13
 C) 25
 D) 26

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

3	2	8
3	4	14
2	7	?

- A) 24
 B) 25
 C) 12
 D) 33

Puzzle 8. What comes next in the sequence?

3	3	4	9	7	27	11	81	18	?
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- A) 211
 B) 29
 C) 244
 D) 243

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

4	1	8
4	5	12
8	3	?

- A) 23
 B) 22
 C) 31
 D) 10

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

1	1	3
1	2	5
4	2	?

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

Answer Key

1. **C) 32**
Odd positions: Fibonacci-like sequence starting 4, 3.
2. **C) 29**
Row sums are Fibonacci numbers: $F(8)=21$, $F(9)=34$, $F(10)=55$.
3. **B) 7**
Row sums are Fibonacci numbers: $F(5)=5$, $F(6)=8$, $F(7)=13$.
4. **C) 162**
Odd positions: Fibonacci-like sequence starting 5, 4.
5. **D) 22**
Row sums are Fibonacci numbers: $F(7)=13$, $F(8)=21$, $F(9)=34$.
6. **D) 26**
Row sums are Fibonacci numbers: $F(7)=13$, $F(8)=21$, $F(9)=34$.
7. **B) 25**
Row sums are Fibonacci numbers: $F(7)=13$, $F(8)=21$, $F(9)=34$.
8. **D) 243**
Odd positions: Fibonacci-like sequence starting 3, 4.
9. **A) 23**
Row sums are Fibonacci numbers: $F(7)=13$, $F(8)=21$, $F(9)=34$.
10. **C) 7**
Row sums are Fibonacci numbers: $F(5)=5$, $F(6)=8$, $F(7)=13$.