

Pattern Puzzles – Pack 33

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

1	3	9
2	4	15
1	6	?

- A) 26
 B) 14
 C) 27
 D) 35

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

3	4	14
7	8	19
4	4	?

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

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

2	2	4
4	2	7
3	2	?

- A) 15
 B) 16
 C) 8
 D) 21

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

1	2	10
3	4	14
8	10	?

- A) 24
 B) 3
 C) 15
 D) 16

Puzzle 5. What comes next in the sequence?

3	4	3	12	6	36	9	108	15	?
---	---	---	----	---	----	---	-----	----	---

- A) 24
 B) 324
 C) 367
 D) 325

Pattern Puzzles – Pack 33

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

5	4	12
3	9	22
7	4	?

- A) 44
 B) 43
 C) 57
 D) 23

Puzzle 7. What comes next in the sequence?

4	3	5	9	9	27	14	81	23	?
---	---	---	---	---	----	----	----	----	---

- A) 243
 B) 224
 C) 37
 D) 244

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

4	3	6
2	5	14
3	5	?

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

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

2	4	15
8	5	21
1	1	?

- A) 53
 B) 32
 C) 66
 D) 52

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

2	2	4
3	4	6
4	6	?

- A) 10
 B) 16
 C) 3
 D) 11

Answer Key

1. **C) 27**

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

6. **A) 44**

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

2. **D) 47**

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

7. **A) 243**

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

3. **B) 16**

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

8. **A) 26**

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

4. **D) 16**

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

9. **A) 53**

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

5. **B) 324**

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

10. **D) 11**

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