Pattern Formation by Addition of Consecutive Numbers

A. Choose the correct answer:

1. What is the sum of 1 + 2 + 3?

   a) 5   b) 6

   c) 7   d) 8

2. Which of the following is the sum of the first 4 consecutive numbers?

   a) 10   b) 12

   c) 14   d) 16

3. What comes next in the pattern: 1, 1+2=3, 1+2+3=6, 1+2+3+4=10, ___?

   a) 12   b) 13

   c) 15   d) 15

4. Which pattern shows the sum of consecutive odd numbers?

   a) 1, 3, 6, 10   b) 1, 4, 9, 16

   c) 2, 4, 6, 8   d) 3, 6, 9, 12

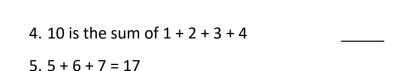**5. What is the sum of 4 + 5 + 6?**

   a) 14   b) 15

   c) 16   d) 17

B. Write the Missing Terms to Complete the Sentences:

1. 1 + 2 + 3 + 4 = _____

2. 5 + 6 + 7 = _____

3. The sum of 2, 3, 4, and 5 = _____

4. 6 + 7 = _____

5. 1 + 2 + 3 + 4 + 5 = _____

C. Mark each sentence with a True (✔) or False (✗):

1. 1 + 2 + 3 = 6   _____

2. The sum of 2, 3, and 4 is 9   _____

3. 1 + 3 + 5 = 9 is a pattern of even numbers _____

4. 10 is the sum of 1 + 2 + 3 + 4 _____

5. 5 + 6 + 7 = 17 _____

D. Figure out the answers to these questions:

1. Write the next number in the pattern: 1, 3, 6, 10, _____

2. What is the sum of first 6 consecutive natural numbers?

3. Form a pattern by adding 3 consecutive numbers starting from 4

4. Add 5 + 6 + 7 + 8 and write the result

5. Complete the pattern: 1, 3, 6, 10, 15, _____, _____

E. Challenge yourself with these questions:

1. Add the first 5 consecutive numbers starting from 2.

2. Create a number pattern using the sum of three consecutive odd numbers.

3. Find the sum of 6 + 7 + 8 + 9.

4. What is the next number in the pattern formed by adding 1, then 2, then 3…?

5. Write a pattern using the sums of consecutive even numbers starting from 2.