Pattern of Addition in Even Numbers

Introduction

- Even numbers are numbers that end in 0, 2, 4, 6, or 8 and are divisible by 2.
- Examples of even numbers are 2, 4, 6, 8, 10, 12, and so on.
- When we add even numbers in a sequence, we get a special pattern.
- The result of adding even numbers forms a pattern of increasing numbers.
- Understanding this pattern helps in mental math and number sense.

Examples with Solutions

Example: 2 + 4 = ?

✓ 2 and 4 are even numbers

✓ 2 + 4 = 6

Answer: 6

Example: 4 + 6 = ?

✓ Add two even numbers

✓ 4 + 6 = 10

Answer: 10

Example: Add first three even numbers: 2 + 4 + 6

✓ 2 + 4 = 6

✓ 6 + 6 = 12

Answer: 12

Example: Find the sum of four even numbers: 2 + 4 + 6 + 8

✓ 2 + 4 = 6,

✓ 6 + 6 = 12,

✓ 12 + 8 = 20

Answer: 20

Example: Observe the pattern:

✓ 2 = 2

✓ 2 + 4 = 6

✓ 2 + 4 + 6 = 12

✓ 2 + 4 + 6 + 8 = 20

✓ Each time we add the next even number, the sum increases in a pattern

Answer: The sum increases by 4, 6, 8...

Summary Points

- Even numbers are divisible by 2 and end with 0, 2, 4, 6, or 8.
- Adding even numbers gives an increasing number pattern.
- Patterns help in predicting the next total without adding each number separately.
- Recognizing these patterns improves number skills and speed in solving sums.
- These patterns are useful in multiplication and mental arithmetic.