



## Problems on Addition

### Word Problems on Addition

Word problems on addition are real-life situations where we need to find the total or sum by adding numbers. These problems involve items, money, distances, time, and other quantities.

**Example:** Riya has 24 storybooks. Her mother gave her 15 more. How many books does she have now?

Here, we need to add 24 and 15 to get the total number of books.

### Steps to Solve Addition Word Problems

- i. Read the problem carefully
- ii. Identify the numbers to be added
- iii. Decide if it's an addition problem by looking for clue words like total, altogether, sum, in all, combined
- iv. Add the numbers
- v. Write the answer with the correct unit

### Properties Used

Addition is commutative:  $a + b = b + a$

Addition is associative:  $(a + b) + c = a + (b + c)$

Adding 0 to a number does not change its value

### Example 1:

**Question:** A school has 1,345 boys and 1,276 girls. How many students are there in total?

### Solution:

Number of boys = 1,345

Number of girls = 1,276

Total students =  $1,345 + 1,276 = 2,621$

**Answer:** There are 2,621 students in total



### Example 2:

**Question:** Raj has  $\frac{3}{10}$  of a chocolate. His sister gives him  $\frac{4}{10}$  more. How much chocolate does he have now?

**Solution:**

$$\frac{3}{10} + \frac{4}{10} = \frac{3+4}{10} = \frac{7}{10}$$

**Answer:** Raj has  $\frac{7}{10}$  of a chocolate now

### Summary Points

- Addition word problems are used to find the total or sum in real-life situations
- Look for keywords like total, altogether, and in all
- Always arrange numbers in columns for big numbers
- Add fractions only when denominators are the same
- Write final answers with proper units like books, students, or chocolates