# Addition and Subtraction of Length

## **Addition and Subtraction of Length**

We can add or subtract lengths to find out total length or difference in length. We use centimeters (cm) and meters (m) while doing this. First, check the unit (cm or m) before solving. Always add or subtract the same units.

# When Do We Add or Subtract Lengths?

- To find the total length of two or more things (use addition)
- To find how much longer or shorter one thing is (use subtraction)

#### **Examples with Solutions**

i. A rope is 30 cm long. Another rope is 40 cm long. What is the total length? Answer: 30 cm + 40 cm = 70 cm

# ii. A stick is 1 meter long. Another stick is 2 meters long. What is the total length?

**Answer:** 1 m + 2 m = 3 m

iii. A pencil is 15 cm and a pen is 10 cm. How much longer is the pencil?Answer: 15 cm - 10 cm = 5 cm

iv. A table is 2 m long. A bench is 1 m long. What is the difference in length? Answer: 2 m - 1 m = 1 m

v. Riya walked 100 m in the morning and 200 m in the evening. How much did she walk in total?
Answer: 100 m + 200 m = 300 m

## **Summary Points**

- Use addition to find total length
- Use subtraction to find difference in length
- Always check if the units are in cm or m
- Add or subtract only same units
- Length tells us how long or short something is