

Word Problem
for length
using Subtraction
Metric units

Example : 1

A carpenter starts with a piece of wood 50 millimeters long. He cuts off a piece 120 millimeters long for a project. How long is the remaining piece of wood?

Solution:



50 cm

Initial length = 50 centimeters of the wood



Cut piece length = 13 centimeters



13 cm

Remaining wood length = Initial length of the wood - Cut piece length
= 50 centimeters - 13 centimeters



= 50 - 13 = 37 centimeters

The remaining bread is 37 centimeters long.

Example : 2

A chef bakes a bread that is 50 centimeters long. He cuts off 13 centimeters for a slice. How long is the remaining bread?

Solution:



50 cm



13 cm

**Initial length
of the bread**

= 50 centimeters

Slice length

= 13 centimeters

**Remaining
bread length**

= Initial length of the bread - Slice length
= 50 centimeters - 13 centimeters



= 50 - 13 = 37 centimeters

The remaining bread is 37 centimeters long.

Example : 3

A rope is 12 meters long. You cut off a piece 3 meters long. How long is the remaining rope?

Solution:



12 m

Initial length = 12 meters

of the rope



3 m

Length of cut piece = 3 meters

Remaining rope length = Initial length of the rope - Length of cut piece

= 12 meters - 3 meters



= 12 - 3 = 9 meters

The remaining rope is 9 meters long.

Example : 4

A marathon is 53 kilometers long. If a runner has already completed 31 kilometers, how many kilometers remain in the race?

Solution:



53 km



31 km

Total distance = 53 kilometers

Completed distance = 31 kilometers

Remaining distance = Total distance - Completed distance
= 53 kilometers - 31 kilometers



= 53 - 31 = 22 kilometers



The runner has 22 kilometers left in the race.