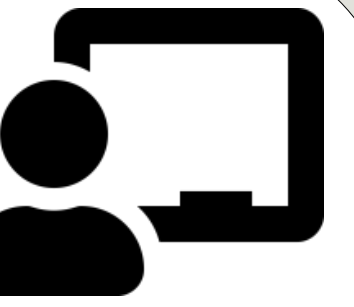# Word Problem for **length** using **Subtraction** Metric units

A carpenter starts with a piece of wood **500 millimeters** long. He cuts off a piece **120 millimeters** long for a project. How long is the remaining piece of wood?

Solution:

Initial length of the wood = **500 millimeters**

Cut piece length = **120 millimeters**

Remaining wood length = Initial length of the wood - Cut piece length

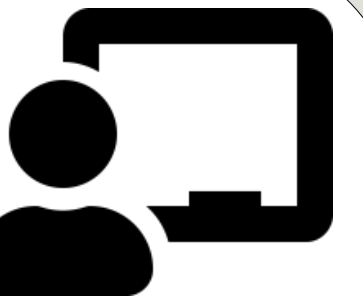= **500 millimeters - 120 millimeters**

= **500 - 120** = **380 millimeters**

The remaining piece of wood is **380 millimeters** long.

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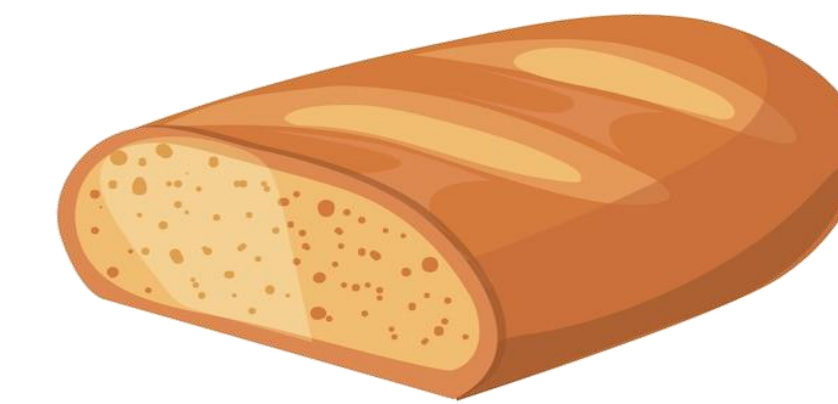
Solution:

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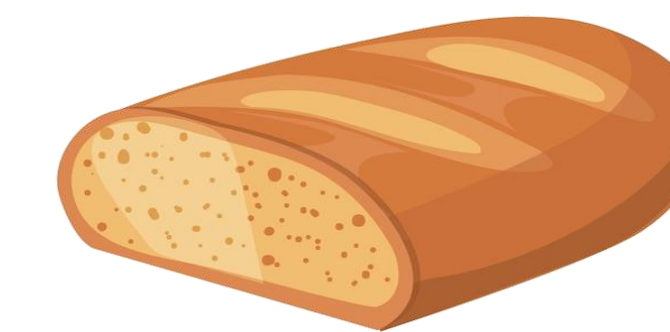
Slice length   =   13 centimeters

Remaining bread length   =   Initial length of the bread -   Slice length

= 50 centimeters -   13 centimeters
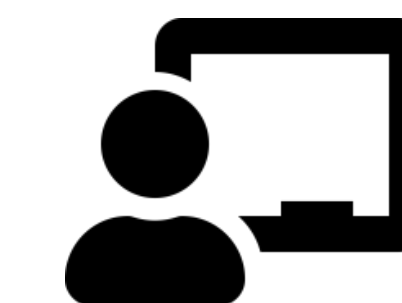
=   50 - 13   =   37 centimeters

The remaining bread is 37 centimeters long.

03

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

Solution:

Initial length of the rope   =   **12 meters**

Length of cut piece   =   **3 meters**

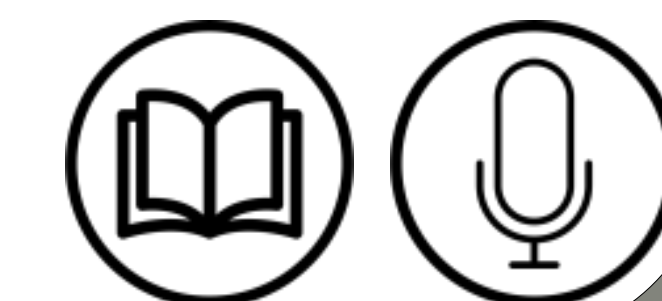Remaining rope length   =   Initial length of the rope –   Length of cut piece

=   **12 meters**   -   **3 meters**

=   **12 - 3**   =   **9 meters**

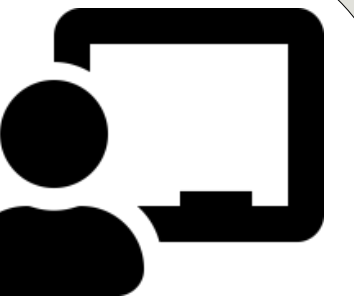**The remaining rope is 9 meters long.**

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

Solution:

Total distance   =   53 kilometers

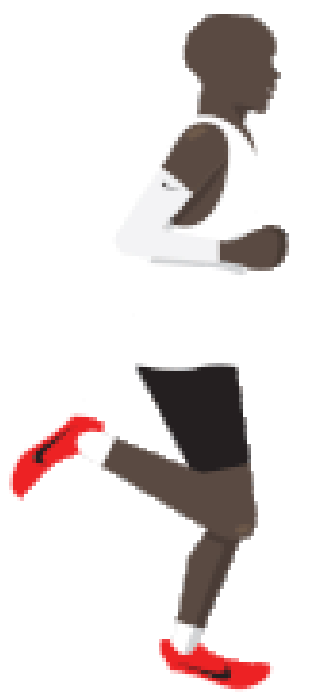Completed distance   =   31 kilometers

Remaining distance   =   Total distance   -   Completed distance

                          =   53 kilometers - 31 kilometers

                          =   53 - 31   =   22 kilometers

The runner has 22 kilometers left in the race.