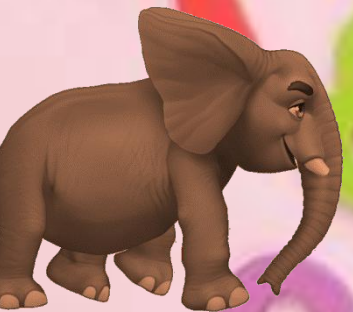


Measures Of Length

Notes

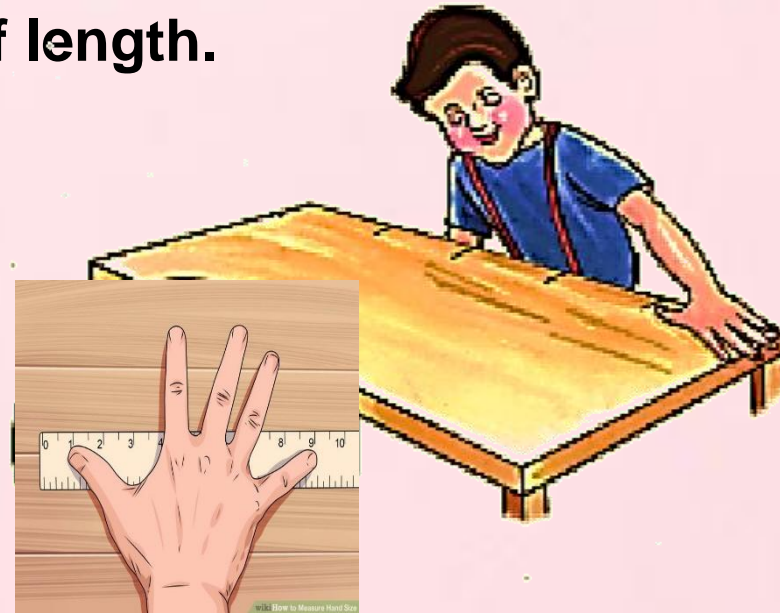


Non-Standard Units for Measuring Length

In the olden days, different parts of the human body were used to measure the length. These are non-standard units of length.



The length of the chalk stick is 4 fingers.

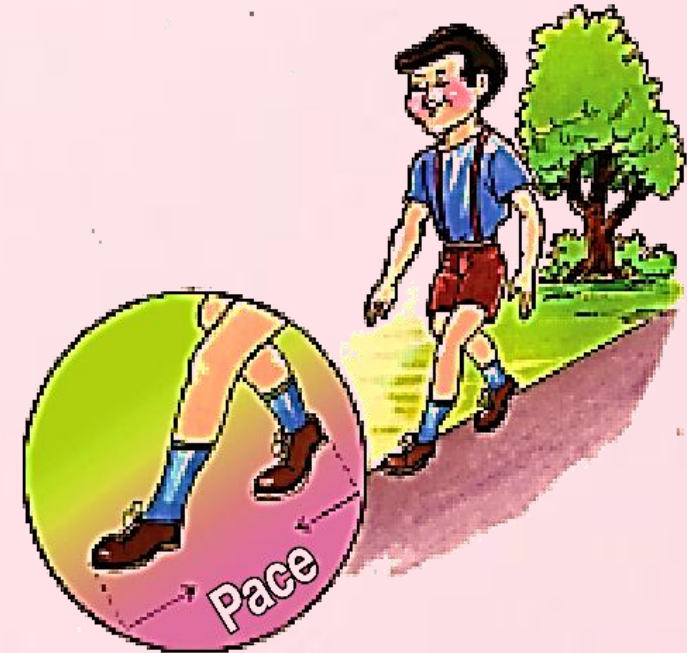


The length of the table is 5 hand-spans





The length of the room is
8 cubits.



The length of the playground is
50 paces.

Standard Unit of Length

We usually measure the length of an object using a metre scale or a metre rod.



Metre scale

Metre is the standard unit of length.

We use this unit to measure the length of an object and the distance between two places.

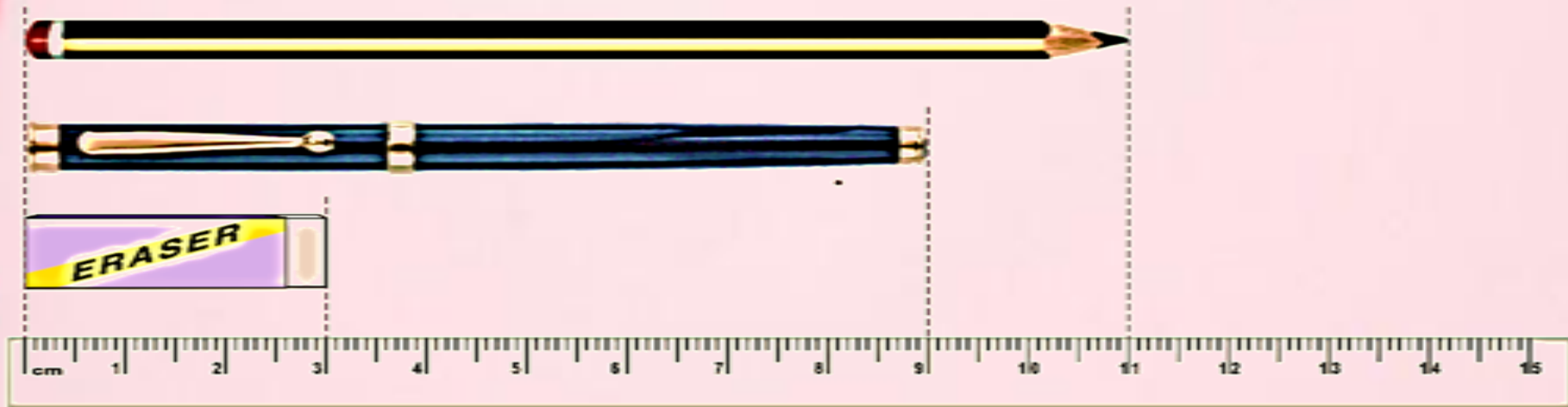
For shorter/smaller objects, we use smaller unit of length called **centimetre**.



1 metre = 100 centimeters

We denote it as **1 m = 100 cm** .

Example



The length of the pencil is 11 cm.

The length of the pen is 9 cm.

The length of the eraser is 3 cm.



Addition (Meter and Centimeter)

EXAMPLES :

$$\begin{array}{r} \boxed{1} \\ 28 \text{ Cm} \\ + 46 \text{ Cm} \\ \hline 74 \text{ Cm} \end{array}$$

$$\begin{array}{r} \boxed{1} \\ 381 \text{ m} \\ + 262 \text{ m} \\ \hline 643 \text{ m} \end{array}$$



Addition (Meter and Centimeter)

EXAMPLES :

$$\begin{array}{r} \boxed{1} \\ 4 \text{ m } 8 \text{ cm} \\ + 3 \text{ m } 6 \text{ cm} \\ \hline 8 \text{ m } 4 \text{ cm} \end{array}$$

$$\begin{array}{r} \boxed{1} \\ 5 \text{ m } 6 \text{ cm} \\ + 8 \text{ m } 5 \text{ cm} \\ \hline 14 \text{ m } 1 \text{ cm} \end{array}$$



Subtraction (Metre and Centimetre)

EXAMPLES:

$$\begin{array}{r} \boxed{8} \boxed{12} \\ 9 \text{ } 2 \text{ } \text{M} \\ - 6 \text{ } 9 \text{ } \text{M} \\ \hline \boxed{2} \text{ } 3 \text{ } \text{m} \end{array}$$

$$\begin{array}{r} \boxed{5} \boxed{11} \\ 6 \text{ } 1 \text{ } \text{M} \\ - 3 \text{ } 9 \text{ } \text{M} \\ \hline \boxed{2} \text{ } 2 \text{ } \text{m} \end{array}$$

$$\begin{array}{r} 5 \text{ } 13 \text{ } 18 \\ 6 \text{ } 4 \text{ } 8 \text{ } \text{M} \\ - 3 \text{ } 9 \text{ } 9 \text{ } \text{M} \\ \hline 2 \text{ } 4 \text{ } 9 \text{ } \text{m} \end{array}$$



Mental Maths

Which of the following will be in **cm** and which will be in **m** ?

1. The length of an electric pole will be in

m

2. The length of a ball pen will be in

3. The length of a carrot you eat will be in

4. The length of your house will be in

