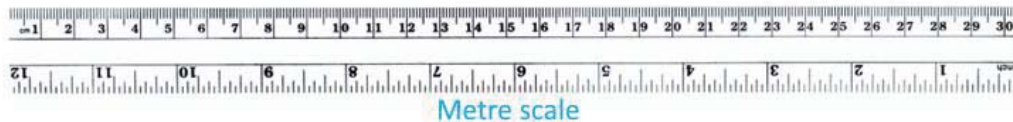


## Standard Unit of Length

### Standard Unit of Length

A standard unit is the same everywhere. We use standard units to measure length correctly. The main standard unit of length is meter (m). Smaller lengths are measured in centimeters (cm). These units are used with rulers, measuring tapes, or meter rods.



### When Do We Use Standard Units?

- To measure height of a child (in meters)
- To measure length of a pencil (in centimeters)
- To know how long or short something is
- To get the exact size of things

### Examples with Solutions

**i. What unit will you use to measure your height?**

**Answer:** Meters (m)

**ii. What unit will you use to measure the length of an eraser?**

**Answer:** Centimeters (cm)

**iii. A ribbon is 100 cm long. How many meters is that?**

**Answer:** 1 meter (100 cm = 1 m)

**iv. A stick is 2 meters long. What is its length in cm?**

**Answer:** 200 cm (1 m = 100 cm, so  $2 \times 100 = 200$  cm)

**v. You measure a book and it is 30 cm long. Is it more or less than 1 meter?**

**Answer:** Less (because 30 cm < 100 cm)



## Summary Points

- Standard units give us the same measurement everywhere
  - Meter (m) is used for long lengths
  - Centimeter (cm) is used for short lengths
  - $100\text{ cm} = 1\text{ meter}$
  - We use rulers and tapes to measure with standard units
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