# MEASUREMENT

## IN PHYSICS

**LESSON 7**

19TH-25TH APRIL

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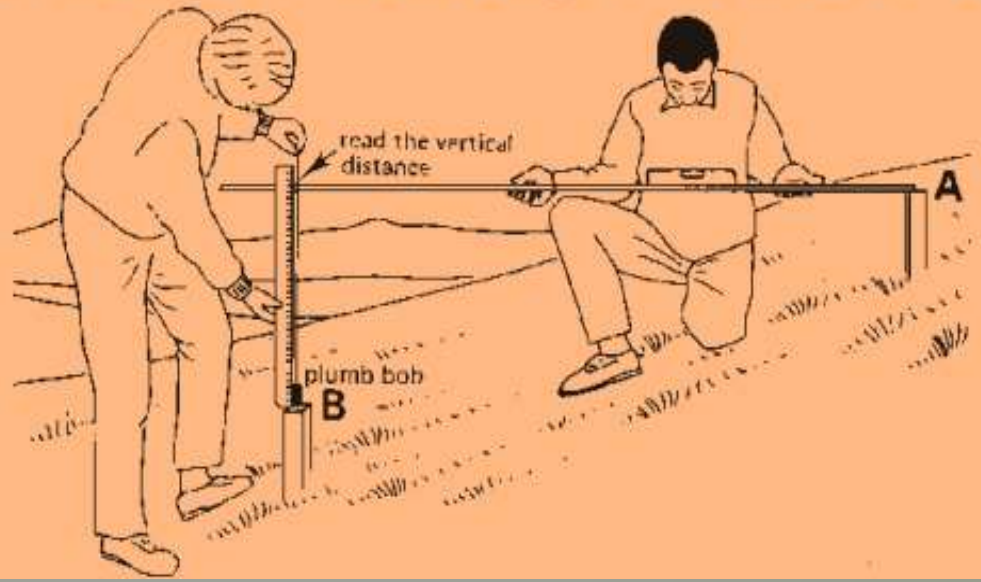
# Welcome back again!!!!

From the last lesson I asked every to take a few measurements, still about measurements, this week can look at the metric system of measurement.

## Measuring length

Length is about a distance between two points. Length answers questions like "how far?", "how long?", “how tall?” and "how high?"



# Metric Units

| King | Hector | Declares | Unite | Decide | Chocolate | Milk |
|---|---|---|---|---|---|---|
| Kilo | Hecto | Deka/Deca | (Unit) | Deci | Centi | Milli |
| Kilometer | Hectometer | Dekameter | Meter | Decimeter | Centimeter | Millimeter |
| Kilogram | Hectogram | Dekagram | Gram | Decigram | Centigram | Milligram |
| Kiloliter | Hectoliter | Dekaliter | Liter | Deciliter | Centiliter | Milliliter |

x 10 x 10 x 10 x 10 x 10 x 10

÷ 10 ÷ 10 ÷ 10 ÷ 10 ÷ 10 ÷ 10

Remember that the SI unit for measuring length is metres (m). The metric system is based on units of ten for example:

1 centimetre (cm) = 10 millimetres (mm)

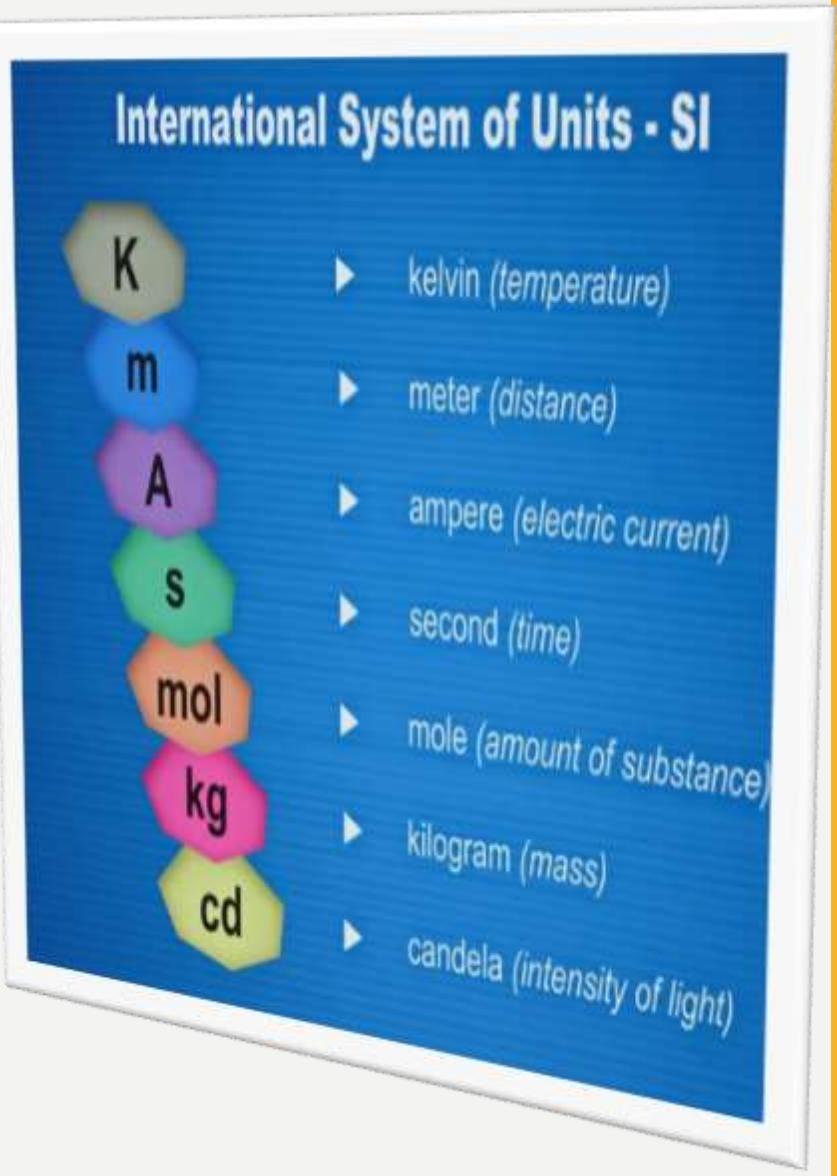
1 decimetre (dm) = 10 cm

1 metre (m) = 10 dm

1 decametre (dm) = 10 m

1 hectometre (hm) = 10 dm

1 kilometre (km) = 10 hm



# Can you change from one unit of length to the other.

## Individually determine how many;

01 cm are in 1m.

02 mm are in 4.25cm

03 cm are in 0.256km

04 Dm are in 367.5dm

05

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