

Measurement is basically a process of measurement comparison. For measurements, ~~we need~~ needs 2 things

- ① The unit (u), and
- ② The number n which tells us how many times that unit is contained in that quantity.

Thus, a measurement is expressed as ~~the~~ measurement =  $n \times u = nu$ .

### Choice of unit.

- ① The unit must have the following:
  - ① It should be of convenient size.
  - ② It must be universally accepted its value must remain same at all places & at all places.

System	unit of length	unit of mass	unit of time
1 C.G.S	c.m	g	s
2 F.P.S	ft	<del>lb</del> lb	<del>s</del> s
3 M.K.S	m	kg	s

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all times it should not change of place or time.

Measurement is a comparison of an unknown quantity with a known fixed quantity of the same kind.

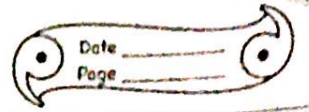
The value obtained on measuring a quantity is magnitude.

Do you know?

Three systems of units

1. centimetre-gram-second (CGS) system.
2. foot-pound-second (FPS) system.
3. Metre-kilogram-second (MKS) system.

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## B. Short/long Answer Questions

1. What is measurement? How is a measurement expressed?  
measurement

ans Measurement is basically a process of comparison & it is expressed as  $= m \times u = n u$ .

3. Name four basic measurements in our daily life.

ans Area, length, weight, height.