

Define one Metre, the S.I. Unit of ~~met~~ length. State its one multiple and one sub multiple.

ans- Metre was initially defined as the distance between two points on a rod of platinum alloy kept at 0°C . The S.I unit of length is ^(m)metre. One multiple of length is ^(km)kilometre and one submultiple is centimetre (cm)

Convert the following quantities as indicated!

- a) 12 inch = 1 ft
- b) 1 ft = 30.48 cm
- c) 20 cm = 0.2 m
- d) 1.2 m = 120 cm
- e) 0.2 km = 200 m
- f) 0.2 cm = 2 mm
- g) 1 yard = 0.91 m

Q) What do you mean by error of parallax?

ans- Sometimes, while ~~looking~~ ^{reading} the length of the object we get different reading due to the wrong position of eye. This is called error of parallax.

Q Explain stepwise how to take measurement of length of an object with a metre scale.

ans To measure the length of an object with a metre ruler, the ruler is placed with its markings close to the object. Then the zero mark on the ruler is made of coincide with one end of the object. Now the position of the other end of the object is read on the ruler.