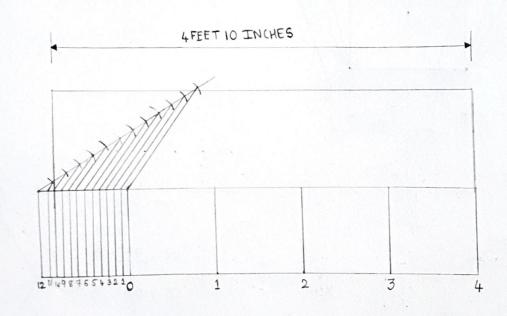
· EXERCISE 2 PLAIN SCALE, DIAGONAL SCALE & CONIC SECTIONS

1. Construct a scale of R.F = 1:10 showing the feet & inches & long enough to read the distance of 5 feet. Show on it the distance of 4 feet & 10 inches.

15 CENTIMETRE -> 5 equal parts



INCHES

FEET

R.F= 1:10

LENGTH OF SCALE = 1 FEET

= 15 CENTIMETRE

2. Construct a scale of R.F=1/2 to show millimetre 8 centimetre to measure up to. 35 centimetres. Show on scale a distance of 30.9 centimetres.

* Caculation:
R.F=1:2

mm, un

30.9-> show

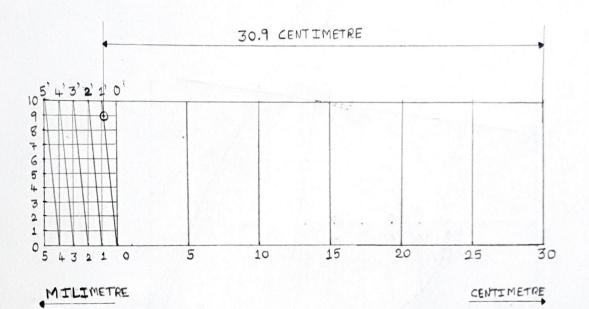
Lo.S=R.F.E.Max

=1 ×35

= 17.5 CENTIMETRE

7 equal points => 17.5 1 paints => 2.5 CENTIMETE

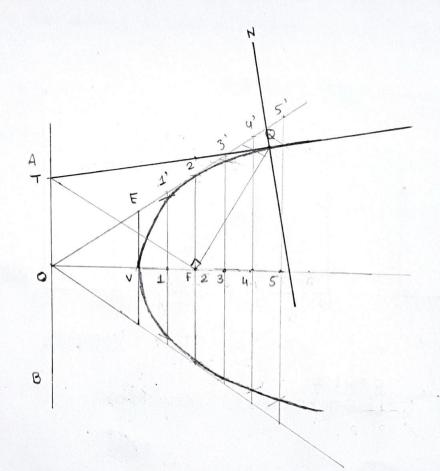
> 1→ 5 CENTIMETRE → 35 CENTIMETRE



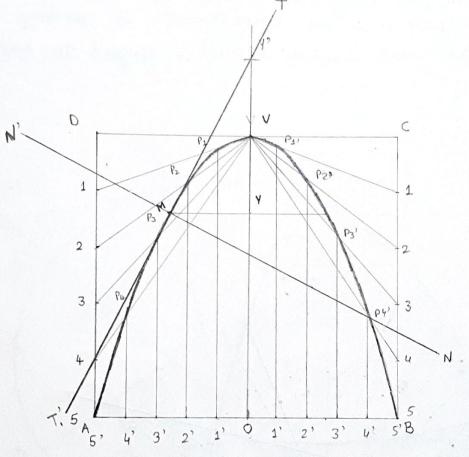
R.F=1:2 LENGTH OF SCALE = 17.50ENTIMETRE

3. Construct the curve if the distance between the focus 8 the directorix is 50 mm. The ecentricity is 2/3. Draw the tangent 8 normal to the ellipse at any point.

EVEVE



4 Construct the parabola if the base is 105mm & axis length is 98mm. Locate focus, vertex & directorix of the parabola. Also draw the tangent & normal to the parabola at any point on it.



MY L Axis