

SCALE PROBLEM

Q1 Construct a plain scale to show meter when 1cm represents 4m and long enough to measure up to 50m find RF (representative fraction) and LOS (length of scale), show a distance 36 meters on the scale.

Q2 construct a plain scale of RF = $1/36$ to show YARD , FEET and long enough to measure up to 7 yard show a distance of 6 yard,2 feet on the scale.

Q3 Construct a plain scale of 1cm represent is 0.5km to read kilometer and hectometer and long enough to measure up to 9km . find RF and LOS and measure a distance of 6km and 3hectometre on the scale.

Q 4 Construct a plain scale of 1 cm represent 4 decimetre . Mark a distance on the scale 3.4m.

Q 5 A 3.5cm long line on a map represent a distance of 4m . extended the line to measure up to 25m. show a length of 16m on this scale.

Q 6 A rectangular garden of area 16 km^2 is show on a map by a similar rectangle of 1cm^2 construct a plain scale to show units of 10km and 1km and long enough to measure up to 60km . find RF , LOS and also show a distance of 53km on the scale .

Q 7 Construct a plain scale show kilometer and hectometer when 2.5cm represent 1kilometre and long enough to measure up to 6kilometere . show a distance 5kilometre and 4hectometre on the scale .

Q 8 construct a plain scale 1:8 ,to show decimeter and centimeter ,to read up to 1m show a distance 7.6dm on the scale.

Q 9 Construct a diagonal scale of RF = $3/200$ to measure up to 6m show the length on the scale of 3.24m.

Q 10 Construct a diagonal scale of 1:32 to read meters , decimeters and centimeters and long enough to measure 4m show on this scale a distance of 2.46m .

Q 11 Construct a diagonal scale of RF = $1/3200000$ to show kilometer, and long enough to measure up to 400km. show a distance 257km on the scale .

Q 12 Draw a diagonal scale of RF = $3:100$ showing meter, decimeter and centimeter and measure up to 5m . show a length of 3.69m on the scale

Q13 Construct a diagonal scale of RF = $1:27$ showing YARD ,FEET and INCH and long enough to measure up to 6 yards find RF ,LOS and mark a distance of 4 yard 2feet 8 inch on the scale.