Assignment 3

Scales

1. Construct a scale of 1:50 to read meters and decimeters and long enough to measure 6 m. Mark on it a distance of 5.5 m.

2. The distance between Visakhapatnam and Vijayawada is 350 km and is represented by a line of length 100 mm on a map. Construct a scale to read 500 km and indicate a distance of 320 km on it.

3. Construct a scale of 1.5 inches = 1 foot to show inches and long enough to measure up to 4 feet. Show 2 feet 9 inches on the developed scale.

4. Construct a diagonal scale 1/50, showing meters, decimeters and centimeters, to measure up to 5 meters. Mark a length 3.75 m on it.

5. Construct a diagonal scale of RF = 1/24 capable of reading 4 yards. Show on the scale a length of 3 yards, 2 ft and 10 in.