## **UNIT 8: Graphs and interpretation of information**



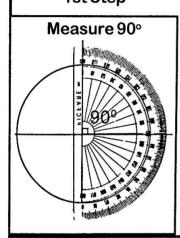
Constructing pie charts.

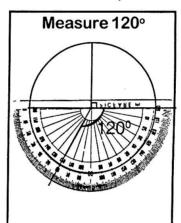
Example 1

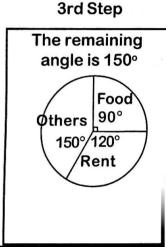
A man spends his money as follows:  $\frac{1}{4}$  on food,  $\frac{1}{3}$  on rent and  $\frac{5}{12}$  on others Use the information above and draw a pie chart.

Change the fraction to degrees

Now use a protractor to measure the angles. 2nd Step 1st Step









Use the outer scale reading of the protractor Count degrees in clockwise direction from the initial side to the terminal side of the angle you want to measure

Exercise 8:14 Attempt the following:

- 1. Oketcho divided his piece of land among his 4 children as follows: Andrew got  $\frac{1}{9}$  of the land, James got  $\frac{2}{9}$  of it, Patricia got  $\frac{4}{9}$  and Mike got  $\frac{2}{9}$ . Use the above information and draw a pie chart.
- 2. On a farm,  $\frac{1}{10}$  of the animals are goats,  $\frac{1}{5}$  are sheep,  $\frac{2}{5}$  are cattle and  $\frac{3}{10}$ are chicken. Use the information to draw a pie chart.
- 3.  $\frac{1}{12}$  of a doctor's salary is spent on school fees;  $\frac{4}{12}$  on rent,  $\frac{1}{3}$  on food and  $\frac{1}{4}$  on clothing. Use the information to draw a pie chart.