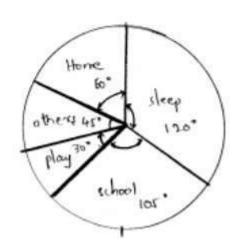
Exercise 25.1

1 Given data:-Activities sleep school home play others Total No ghows 8 7 4 2 Total no of hours = 24 hrs. There total no of hours are to be represented on a 360° circle. let the contribution of each hour on preshort be x'. .. Total no. of hours = 24hrs. Total contribution = 24% L.H.S = R.H.S. 24x = 360. 7 = 15 .: Contribution of each hourspent on prechart is 15". ·· · for sleeping => 8x => 120° school => 7x => 101° home = 4x = 60° play = 2x => 30°

others => 3x => 45°

.. The pie chart is given as



3 Given data:

Religion Hirdu Muslim Bikh Christian Total Norquertess. 420 300 225 105 1080

Total no of workers = 1080. These total no of workers are to be represented on a 360° circle.

led the contribution of each worker he x on pe chart.

Total no of workers = 1080.

Total angle contribution = Total. no. of workers X contribution of each worker

⇒ 1080 xx

.. Total angle contribution = 1080% -6But total angle = 360° -6 0 = 2. 1080% = 360 $0 = \frac{1}{3}$.

- .. Contribution of each worker on pre chart is in.
- : Contribution of Hindu workers = 420x xl = 420x \frac{1}{3}

Contribution of Hindu workers = 140°

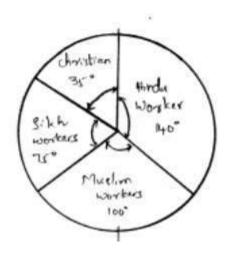
Contribution of rauslim workers = toll no. of workers X contribution of each worker

⇒ 300× 1/9

contribution of muslim worker=1 1000

Similarly. Sileh workers = 225×1 = $225 \times \frac{1}{3}$ Bikhworters = 75° Christian workers = 105×2 = $105 \times \frac{1}{3}$ Christian workers = 35°

.. The pie chart is given as



(3) Given data

Thems Ordinary fruit calos & Birmits others Total

Thems break treed pastries

100 60 20 480.

Sales (As) 260 40

Total value of sales in one day = 480 Rs

This total value is to be represented on a 360° and e

let the contribution of each rupee on pir chart

be now.

Total value of rates = 4,480

- .. Total contribution of sales on the chart
 - => Total value x Contribution of each super
 - => 480xx
 - => 480x 0

$$x = \frac{360}{480}$$

: Contribution of each rupes on pre chart = $\frac{3}{4}$.

Contribution of ordinary bread sales on pie chost $\Rightarrow \text{ soles } x \text{ contribution } q \text{ each supec}$ $\Rightarrow 260 \times \frac{3}{4}$

7 195°.

Similarly contribution of

fruit bread = sole x x = 40x \frac{3}{4}

cates & postries = 100×2 = $100 \times \frac{3}{4}$ = 75° Personate = soley of Bismits \times on (representation) $= 66 \times \frac{3}{4}$ Besonts = 45°

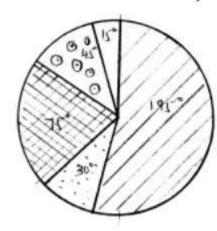
Others = solvateu fir others x super value

= 20 x x.

= 20x 3/4

others = 150

: The pre chort is given by



El - ordrary bread

Ford - calus & postru

[:] - fruit brend .

18 - Bewit.

[_ others.