

ACTIVITY : 5

21



Title

Prepare a Pie Chart for Daily Activities.



Objective

Write how much time you spent during a day in the following headings :

- (i) school
- (ii) homework
- (iii) play
- (iv) sleep
- (v) watching T.V.
- (vi) others

Represent the information on pie chart.



Prerequisite knowledge

Knowledge of pie chart.



Materials required

Papers of different colours (6 colours), a pair of scissors, scale and glue.



Procedure

1. Prepare the time table for the following headings :

- (i) school
- (ii) homework
- (iii) play
- (iv) sleep
- (v) watching T.V.
- (vi) others

(After observing your activity time for 1 week).

2. Write down the time table made by you in tabulated form.

Headings	School	Homework	Play	Sleep	Watching T.V.	Others	Total
Total time spent in hrs in a day	6	3	2	8	1	4	24

3. Cut six circles of same radii from different colours (1 of each colour).
4. Each colour circle will represent one daily activity.

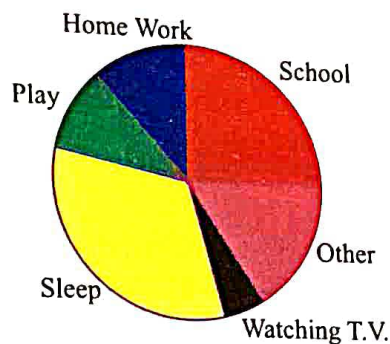
5. Cut one-one sector from different circles which in size is proportional to the time spent in particular activity.
e.g., Time spent in school = 6 hours
Total hours in a day = 24 hours

$$\text{Part of whole day spent in school} = \frac{6}{24} = \frac{1}{4} \text{ th}$$

Let red coloured circle represents time spent in school.

From red coloured circle cut the sector which is $\frac{1}{4}$ th of full circle.

6. Similarly cut other sectors from different circles proportionate to represent different daily activities.
7. Paste all these sectors (i.e., 6 sectors of different colours) in such a way that, these sectors form a full circle.



Observation

We can observe how much time is spent on each daily activity.



Result

Time spent on sleeping is maximum i.e., $\frac{1}{3}$ rd of a day.



Learning outcome

After performing this activity students can find the relationship between whole and its part with the help of pie chart.



Activity time

1. Prepare a pie chart for finding the fractions of girls and boys in your class.
2. Prepare a pie chart for your VIII class students for following headings.
 - (i) Come to school by bus or car.
 - (ii) By walk.
 - (iii) By cycle.