VIDYA BHAWAN, BALIKA VIDYAPITH
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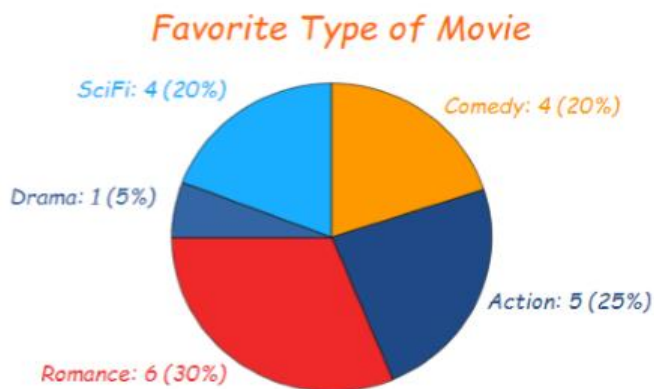#### (Affiliated to CBSE up to +2 Level)

CLASS:8ᵀᴴ   DATE: 12-01-2021   SUB.:MATHEMATICS

- **Introduction to Graphs**

A Pie Chart (Circle Graph)

When we represent the given data in the circular form then it is said to be a pie chart. It shows the part of a whole.

Favorite Type of Movie

SciFi: 4 (20%)
Comedy: 4 (20%)
Drama: 1 (5%)
Action: 5 (25%)
Romance: 6 (30%)

This pie chart shows the percentage of people watching different kind of movies. From this chart, we can easily get that the maximum number of people like romantic movies and the least number of people like drama movies.

- Various observations of the data are represented by the sectors of the circle.

- The total angle formed at the centre is 360°.

- The whole circle represents the sum of the values of all the components.

- The angle at the centre corresponding to the particular observation component is given by

$$\frac{\text{Value of the component}}{\text{Total value}} \times 360°$$

- If the values of observation/components are expressed in percentage, then the centre angle corresponding to particular observation/component is given by

$$\frac{\text{Percentage value of component}}{100} \times 360°$$