

DELHI PUBLIC SCHOOL, JAMMU

SESSION 2024-25

Assignment-6

Class: VIII

Subject: Maths

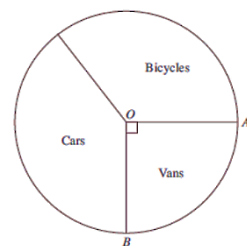
Topic: Data Handling, Introduction to graph

Read the instructions carefully and answer the following questions.

Assertion and Reason Based Questions

In the following questions, two statements are given-one labelled Assertion (A) and the other labelled Reason (R). Select the correct answer to these questions from the codes (a),(b),(c) and (d) as given below.

- (a) Both (A) and (R) are true and (R) is the correct explanation of (A).
(b) Both (A) and (R) are true but (R) is not the correct explanation of (A).
(c) (A) is true but (R) is false.
(d) (A) is false but (R) is true.



1) **Assertion (A)** – The given pie chart represents that van is used 25%.

Reasons (R) – Angle of sector for van is 90° .

2) **Assertion (A)** – The probability of an event is always between 0 and 1.

Reasons (R) – Probability is defined as the ratio of the number of favourable outcomes to the total number of possible outcomes.

3). **Assertion (A)** – In a pie chart, the total angle at the centre of the circle is 360° .

Reasons (R) – We can draw as many sectors in a pie chart as required.

4. When two coins are tossed, then what is the probability of getting Tails for both the coins?

5. The following data represents the monthly expenditure of a family on certain items.

Items	Clothing	House Rent	Food	Education	Misc
Expenditure(₹)	900	900	2160	1800	720

Draw a pie chart for the given data.

6. The distance covered by a car is given below:

Time (in hrs)	8 a.m.	9 a.m.	10 a.m.	11 a.m.	12 noon	1 p.m.
Distance (in km)	35	60	90	110	145	180

Draw a graph representing distance-time relationship by taking a suitable scale.

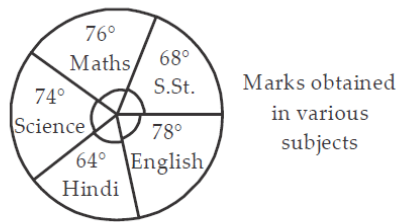
7. Given below are the population (in thousands) of males and females in a village in different years.

Years	2013	2014	2015	2016	2017	2018
No. of males	10	11.5	12	14	14.5	16
No. of females	9.2	10.6	12	14.5	13.8	14.5

Represent the above data by line graph.

8. Case Study Based Question

I.



1. If the marks scored in Hindi is 32, the total marks obtained in all the five subjects is _____.
2. Marks scored in English is _____.
3. Minimum marks were scored in _____.
4. If the maximum marks in each subject is 50, the percentage of total marks obtained is _____.
5. Marks scored in Maths is _____.