

MONTH : JANUARY

SESSION : 14

CLASS : V

SUBJECT : MATHEMATICS

CHAPTER NUMBER: 21

CHAPTER NAME : DATA HANDLING

SUB-TOPIC : PIE CHART

EXERCISE 21 C

CHANGING YOUR TOMORROW

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LEARNING OBJECTIVE :

The learners will develop the skills to collect, organise, display, analyse and interpret data.

EXERCISE - 21 C

- 3 In a class of 48 children, the favourite snacks used are as per the details given below.

S.No.	Snack item	No. of students
1.	Noodles	8
2.	Wafers	16
3.	Sandwiches	8
4.	Cakes	12
5.	Ice cream	4



Draw a pie-chart and answer the questions that follow :

- Which is the most favourite snack ?
- Which is the least favourite snack ?
- What percentage of students prefer cakes ?
- Which are the two items that are favoured by the same percentage of students ?

Lets find the value

$$\text{Noodles} = \frac{8}{48} \times 360 = 60^\circ$$

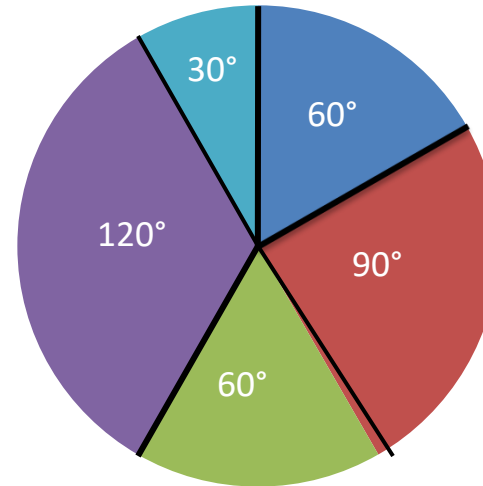
$$\text{Sandwiches} = \frac{8}{48} \times 360 = 60^\circ$$

$$\text{Wafers} = \frac{16}{48} \times 360 = 120^\circ$$

$$\text{Cakes} = \frac{12}{48} \times 360 = 90^\circ$$

EXERCISE - 21 C

Ice cream = $\frac{\cancel{4}}{\cancel{48}} \times \frac{\cancel{360}}{\cancel{12}} = 30^\circ$



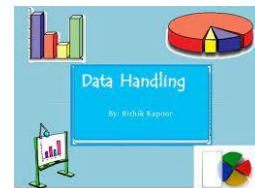
- noodles
- cake
- sandwiches
- wafer
- ice cream

a) Wafer

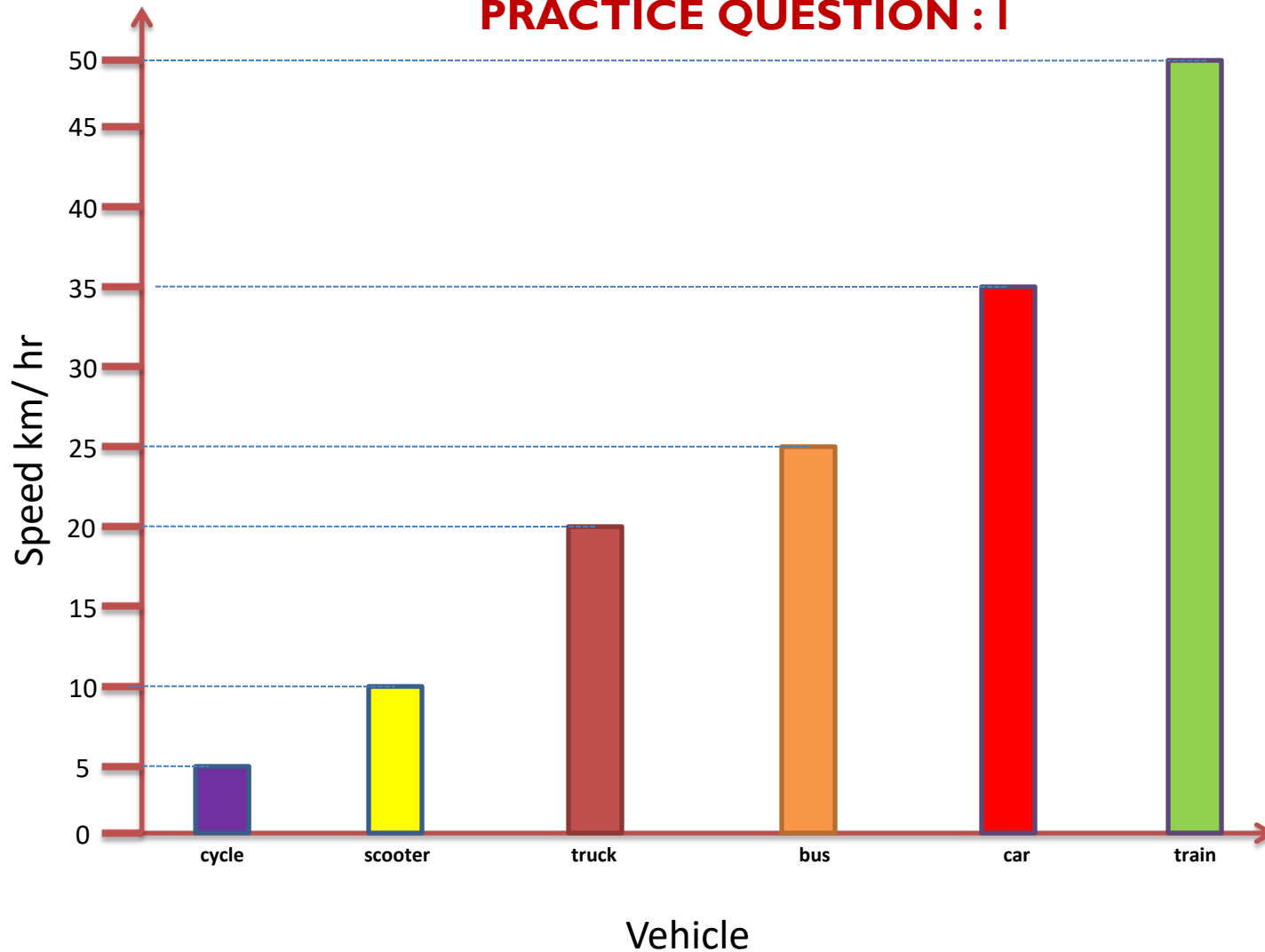
b) Ice cream

c) $\frac{\cancel{12}}{\cancel{48}} \times \frac{\cancel{100}}{\cancel{4}} = 25\%$

d) Noodles and sandwiches.



PRACTICE QUESTION : I



Read the bar graph and answer the questions.

PRACTICE QUESTION : I

a) Which vehicle has the maximum speed among all?

Ans. Train

b) Which vehicle has the minimum speed?

Ans. Cycle

c) What is the speed of the bus?

Ans. 25 km / hr

d) What will be the distance covered by the train after 13 hours?

Ans. $50 \times 13 \text{ hr} = 650 \text{ km / hr}$

e) Write 3 road safety rules to be followed by everybody.

- 1. Don't drink and drive.**
- 2. Always wear seat belt.**
- 3. Don't use phone while driving.**

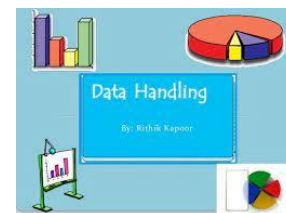


PRACTICE QUESTION : 2

2. Draw a bar chart using the data provided below and answer the following questions.

Year	Population
2017	131 cr
2018	132 cr
2019	134 cr
2020	136 cr
2021	138 cr

- Write 5 points on what will happen if the population keeps growing?
- Which country is the most populated country in the world?
- Which Indian state is the most populated state?



PRACTICE QUESTION : 2



PRACTICE QUESTION : 2

a) Write 5 points on what will happen if the population keeps growing?

1. Shortage of food
2. Water scarcity
3. Global warming
4. Pollution
5. Spreading of new diseases.



b) Which country is the most populated country in the world?

Ans. China

c) Which Indian state is the most populated state?

Ans. Uttar Pradesh



HOMEWORK



Complete Exercise 21 C in notebook.

The logo for 'Learning Outcomes' features the words 'Learning' and 'Outcomes' in a large, bold, black font with a yellow outline and a drop shadow. To the left of the text is a blue graduation cap with a tassel. Above the word 'Learning' is a red apple with a green leaf.

Learning Outcomes

Students are able:

- **To collect, organise, display, analyse and interpret data.**

THANKING YOU
ODM EDUCATIONAL
GROUP