THE VILLAGE
INTERNATIONAL SCHOOL
"We Nurture Dreams"

AIM HIGH, TOGETHER WE FLY

**GRADE -5**          **QUESTIONBANK - MATHEMATICS**          **2024-25**

**CHAPTER -7**          **GRAPHS**

Name :………………………………          **Date:………………..**

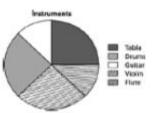## A. Choose the correct answers.

1. The fraction of students who attended keyboard classes in a music school is $\frac{1}{3}$. If the total number of students surveyed was 60, how many students attended keyboard classes?
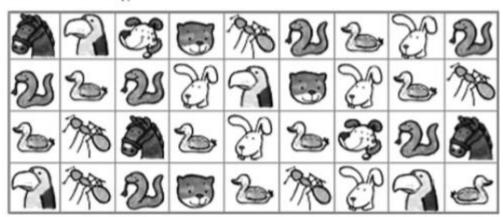
   a. 15                  b. 20                  c. 25

2. In a survey taken, 25 out of 100 students liked rosogulla. In a circle graph this data is represented by colouring

   a. $\frac{1}{2}$ of the circle          b. $\frac{3}{4}$ of the circle          c. $\frac{1}{4}$ of a circle

## B. The circle graph shows the favourite musical instruments of 80 students. Answer the questions based on the data.

1. Which is / are the most preferred instrument(s)?

2. Which is / are the least preferred instrument(s)?

3. If all the students who preferred flute changed their preference to tabla, how would the graph change? Draw a new circle graph to represent this data.

4. Write answers to questions 1 and 2 using your new circle graph and data.



Instruments

☐ Tabla
☐ Drums
☐ Guitar
☐ Violin
☐ Flute

## ANSWER THE QUESTIONS BASED ON GRAPH.

1)

The picture shows a few animals, birds and insects. Make a tally chart and find the total of each type.

2. Akshay wants to open a restaurant in Park Estate colony. The circle graph represents the favourite snacks of people living in Park Estate. The total number of residents surveyed was 144.



Answer the following questions.

a. Find the number of people who like each snack.

b. Which snack should always be available in the restaurant?

c. Which snack is liked by very few people and can be avoided?

3. A survey was conducted of 100 students to find their favourite subject. Using the data below, draw the circle graph by colouring the correct sections of the given circle.

| | Number of students | Fraction of total |
|---|---|---|
| English | 30 | |
| Hindi | 10 | |
| Maths | 40 | |
| Science | 20 | |



4)

The table is a record of Manju's weight from the time she was born.

| Month | Weight (kg) |
|---|---|
| 0 | 3.5 |
| 1 | 4.5 |
| 2 | 5 |
| 3 | 6 |
| 4 | 7.0 |
| 5 | 8.0 |
| 6 | 8.5 |