SNBP International & Senior Secondary School, Chikhali, Pune.
Affiliation No. 1130703
Academic session 2023-24
NOTES (Term-2)

NAME:_____ DATE: _____
CLASS:____5__ DIV :_____ SUBJECT: MATH
Prepared By: MS VIDYA. H LESSON- L-6 Data Handling

PRE ACTIVITY – Lets get started page no. 154

Exercise 6A

1. **The circle graph shows us the favourite colours of 104 students in class V.**

   Answer the questions.

   a. Which colour is liked by half of the students?

   Solution: Red colour

   b. Which is the second most favourite colour of the students?

   Solution: Green

   c. Which colour is liked by the students more: green or purple?

   Solution: Green

   d. Which colour is liked by most of the students?

   Solution: Red

   Complete the table to show the number of students who like the given colours.

   Solution:

   Yellow: $\frac{1}{2} \times 104 = 13$

   Purple: $\frac{1}{2} \times 104 = 13$

   Green: $\frac{1}{4} \times 104 = 26$

   Red: $\frac{1}{4} \times 104 = 52$

2. **Given is the distribution of Ravi's salary of ₹36,000 per month.**

   a. How is most of Ravi's salary spent?

   Solution: Most of Ravi's salary is spent on rent.

   b. Does Ravi spend more on food or petrol?

   Solution: Ravi spends $\frac{1}{4}$ of his salary on food and $\frac{1}{2}$ on petrol. Therefore, he spends more on food.

c. What is the amount that Ravi spends on rent?

Solution: Ravi spends half of his salary on rent.

Therefore, $\frac{1}{4} \times 36{,}000 = ₹18{,}000$.

d. Does Ravi spend more on food as compared to rent?

Solution: No. Ravi spends $\frac{1}{4}$ of his salary on food.

Amount of money spent on food = $\frac{1}{4} \times 36{,}000 =$ ₹9000

As Ravi spends ₹18,000 on rent, therefore he spends less on food as compared to rent.

e. What is the amount that Ravi spends on food?

Solution: Ravi spends $\frac{1}{4}$ of his salary on food.

Therefore, $\frac{1}{4} \times 36{,}000 = ₹9000$.

3. There was a survey conducted to find out the favourite cuisine of 100 people. Observe the table given below. Colour and label the circle graph accordingly.

Cuisines	Number of people
Italian	18
Chinese	64
Thai	9
Continental	9

Solution:

1 Number of people who like Italian cuisine = 18. That is, 18 out of 100.

$$= \frac{18}{100} = \frac{9}{50}$$

2. Number of people who like Chinese cuisine = 64. That is, 64 out of 100.

$$= \frac{64}{100} = \frac{32}{50}$$

. Number of people who like Thai cuisine = 9. That is, 9 out of 100.

$$= \frac{9}{100}$$

4. Number of people who like Continental cuisine = 9. That is, 9 out of 100.

$$= \frac{9}{100}$$

Therefore,

Exercise 6B

1. **Laxmi's mother went to a florist to buy flowers. She bought the following.**

   Red Roses = 8 Stems

   Pink Roses = 12 Stems

   Lilies = 4 Stems

   Carnations = 16 Stems

   Draw a Pictograph to represent the above data, if each = 2 Stems

   Solution:

   There are 8 red roses stem. This can be represented as 2 + 2 + 2 + 2 stems.

   There are 12 pink roses stem. This can be represented as 2 + 2 + 2 + 2 + 2 + 2 stems.

   There are 4 lilies stem. This can be represented as 2 + 2 stems.

   There are 16 carnations stem. This can be represented as 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 stems.

   Therefore, pictograph will look like:

   Red Roses:

   Pink Roses:

   Lilies:

   Carnations:

2. **Given below are the number of cars a manufacturer sold from January to May.**

Months	January	February	March	April	May
Numbers of Cars	200	400	700	300	600

   Draw and colour the bars for the information given above in the graph given below. Give a title and scale to the graph. Label both the scales.

   Solution:

   Let each square represent 100 cars.

   Since, 1 square = 100 cars,

   a. The number of cars manufacturer sold in January is 200 (2 squares).

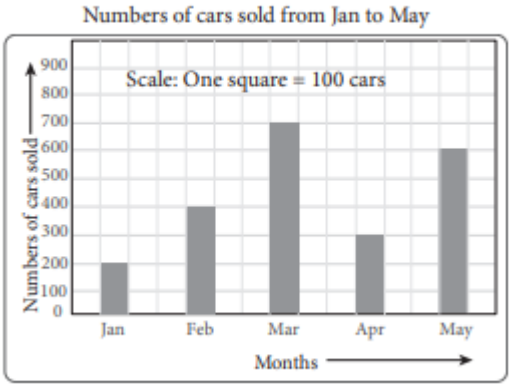
   b. The number of cars manufacturer sold in February is 400 (4 squares).

   c. The number of cars manufacturer sold in March is 700 (7 squares).

   d. The number of cars manufacturer sold in April is 300 (3 squares)

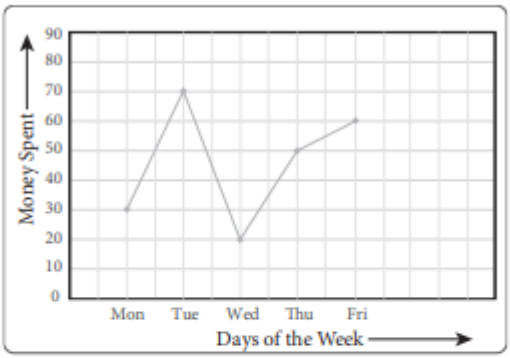
   e. The number of cars manufacturer sold in May is 600 (6 squares).

Therefore, bar graph will look like



Exercise 6C

1. **Given below is a line graph which shows how much money Venkat spent in the school canteen from Monday to Friday in a certain week. Study the graph and answer the questions given.**



   a. **On which day did Venkat spend the maximum money?**

   Solution: Since the highest point on the horizontal scale of line graph is marked on Tuesday. Therefore, Venkat spent the maximum money on Tuesday.

   b. **On which day did Venkat spend the least amount of money?**

   Solution: Since the lowest point on the on the horizontal scale of line graph is marked on Wednesday. Therefore, Venkat spent the minimum money on Wednesday.

   c. **On which day did Venkat spend ₹50?**

   Solution: Since 50 on the vertical scale is marked at the Thursday on the horizontal scale of line graph. Therefore, Venkat spent ₹50 on Thursday.

   d. **How much more money did Venkat spend on Tuesday than Friday?**

   Solution: On Tuesday, Venkat spent ₹70 and on Friday, he spent ₹60. Therefore, Venkat spent 70 – 60 = ₹10 more on Tuesday than Friday.

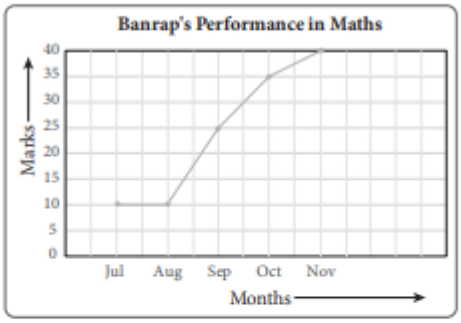
   e. **How much amount of money did Venkat spend during the whole week?**

   Solution: 30 + 70 + 20 + 50 + 60 = ₹230.

f. Give a title to this line graph.

Solution: Expenditure of Venkat from Monday to Friday

2. Banrap's mother prepared a progress report (marks out of 40) of his performance in Maths subject over five months with the help of a line graph. Answer the questions by looking at the graph.



a. What was his score in the month of October?

Solution: We observe that marks on the vertical scale corresponding to October are 35 marks.

b. In which month did he perform the best?

Solution: We observe that the highest marks on the vertical scale are marked at 40. Therefore, he performed the best in November.

c. In which month did he score 25 marks?

Solution: We observe that 25 marks on the vertical scale are marked at September on the horizontal scale. Therefore, he scored 25 marks in September.

d. In which two months was his performance consistent?

Solution: We observe that he scored 10 marks in the month of July and August. Therefore, he performed consistently in July and August.

e. Find the average marks obtained by Banrap in five months.

Solution:

Average marks:

$$\frac{10 + 10 + 25 + 35 + 40}{5}$$

$= 24$ marks

Post Activity : Solve worksheet 6 page.no 168

Teacher HOD Co-oridinator Principal