



CLASS :IV
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SUBJECT: Maths
L -14 Graphs and Charts

Pre- activity - Let's Begin (Page no- 197) done in text book.

T.B. Page no- 197

Let's Begin

Aarti, I counted vehicles between 8:00 p.m. to 8:15 p.m. last night and recorded these many vehicles passed.



Aman, let's arrange these vehicles in a table.



Observe the picture to answer the following questions.

- a Using the data given above, complete the following table.
Vehicles passed by from 8:00 p.m. to 8:15 p.m.

Type of vehicle	Car	Bike	Van	Truck
Tally marks				
Number of vehicle	4	3	4	4

- b How many bikes have passed in 15 minutes? 3
- c Name the vehicle that passed the most in number. car
- d The total number of vehicles passed by is 15.

T.B.- Page no-200

Pictorial Stage

- 1 The table shows the number of food items the pupils of class IV distributed among the hungry people. Complete the table.

Food Item	Burger	Cutlet	Noodles	Salad	Others
Tally marks					
Number of pupils	4	<input type="text" value="5"/>	<input type="text" value="7"/>	<input type="text" value="3"/>	<input type="text" value="6"/>

- a How many food items were distributed in all? 25
- b Which food item did most pupils distribute? Noodles
- c How many more pupils distributed noodles than burgers? 3
- d How many pupils distributed cutlet? 5

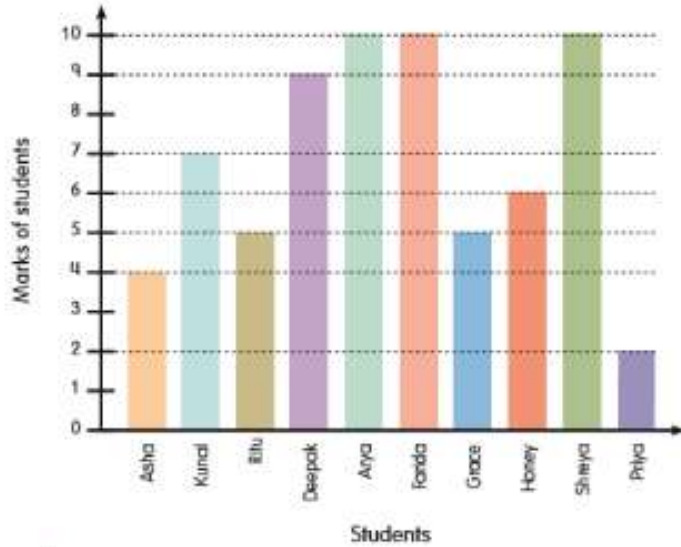
2 The given bar graph shows marks (out of 10) obtained by 10 students in a class test. Observe the bar graph, and answer the following questions.

a Who scored the least marks?
Priya

b How many students scored the maximum marks?
3

c How many students got more than five marks?
6

d Who scored more marks Kunal or Grace, and by how much?
Kunal by 2 marks








T.B.- Page no-202

Pictorial Stage 

The given pictograph shows the data on the sale of ice creams of various flavours during a weekend. Observe and answer the following questions.

( = 10 ice-creams)

Flavour	Vanilla	Chocolate	Strawberry	Pineapple	Butterscotch
Number of ice cream					

a Chocolate ice-creams were sold the most.

b How many vanilla ice-creams were sold? 30

c What is the total number of ice creams sold during the weekend?
230

d How many more strawberry ice-creams were sold than pineapple ice-creams?
10

Abstract Stage

1 In class IV, there are 140 students, out of which 25 students like drawing, 50 like singing, 35 like gardening, and 30 like swimming. Draw a pictograph to represent the given data. Use the pictograph to answer the following questions.

- a How many students like singing and swimming? 80
- b If 10 students changed their likings from gardening to drawing, then how many students like drawing and how many students like gardening? 35 drawing and 25 gardening

2 The table below shows the types of sandwiches sold by a shop on a particular day. Represent the data in a pictograph, and answer the following questions.

Cheese sandwich	25
Mushroom sandwich	15
Vegetable sandwich	20
Egg sandwich	30

- a Name the sandwich that was sold the most. Egg
- b Which sandwich was sold the least? Mushroom
- c How many sandwiches were sold in all? 90

Pictorial Stage

Sania collected the data about the number of pets in the houses in her locality. She represented the data on a pie chart. Observe the pie chart to answer the following questions.



- a Name the most common pet. Dog
- b Name the pet that is rarely found in the locality. Parrot
- c List all the pets in her locality. Dog, Cat, Rabbit, Parrot
- d Do all the houses in the locality have pets? How do you work out? No

Abstract Stage

Hintometer: Use fraction tiles.

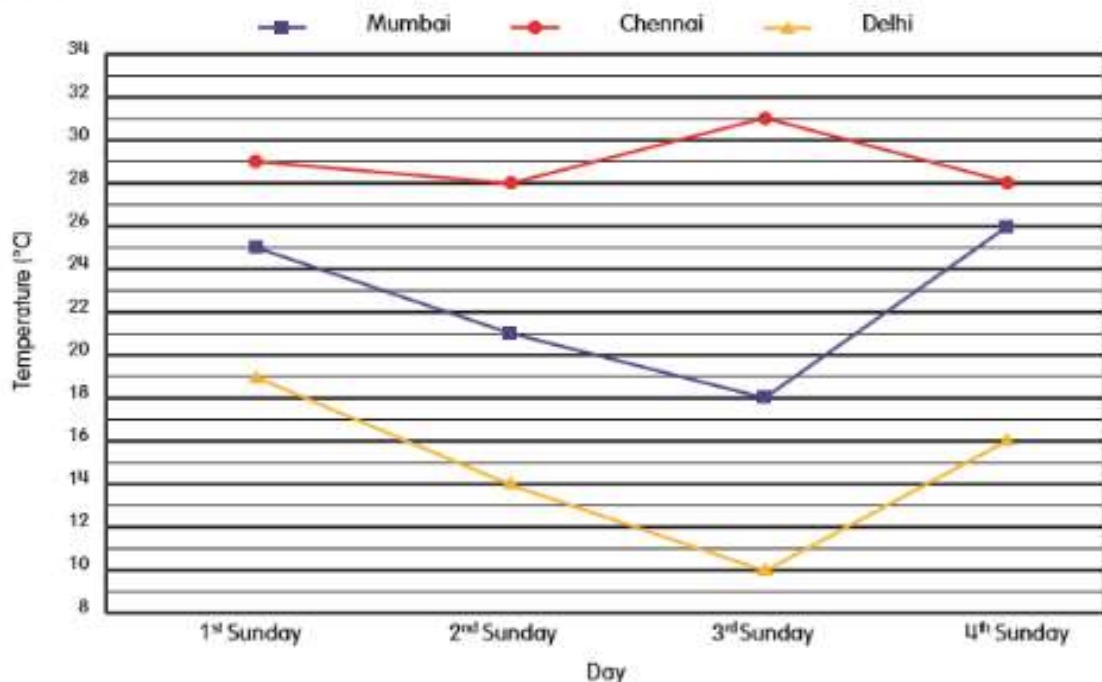
Suppose you have a round table on which you keep your books. Half of the table is filled with your coursebooks, one-fourth with storybooks, one-eighth with comic books, and the rest with magazines. Now represent your table using a pie chart, and answer the following questions.

- a) Which books occupy the most space on the table? Course books
- b) The space occupied by the storybooks is more than the space occupied by the magazines. What makes you say that? story books occupies one-fourth space and magazines occupies one-eighth space and one-fourth is greater than one-eighth
- c) How much space is occupied by the magazines? one-eighth
- d) Check whether the total space occupied by the storybooks, comic books and magazines is equal to the space occupied by the coursebooks.
Yes

Linking Chain



Observe the line graph showing the temperatures on Sundays of January month in three metro cities. Answer the following questions based on the line graph.



- a The temperature on the 2nd Sunday in Chennai is 28°C.
- b The temperature on the 3rd Sunday in Delhi is 10°C.
- c The temperature in Mumbai on the 3rd Sunday is 3° °C colder than the temperature in Mumbai on the 2nd Sunday.
- d The temperature in Delhi on the 2nd Sunday is 5 °C colder than the temperature in Delhi on the 1st Sunday.

T.B.- Page no-206

Blooming Questions

- 1 Harry, Maya, Sam, Fred, and Lina started reading a novel. The data shows the number of pages read by each of them. Represent the data in a bar graph.

Harry	Maya	Sam	Fred	Lina
40	25	50	65	30

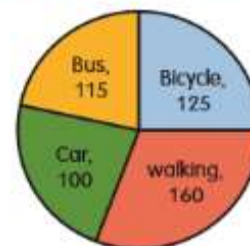
- 2 The weekly sale of pencil boxes in a stationery shop is given in the table below. Using a suitable scale, represent the given information on a bar graph.

Days	Mon	Tue	Wed	Thu	Fri	Sat
Number of pencil boxes sold	10	25	30	40	50	10

- a Which day the shop was closed? Sunday
- b On which day were the maximum number of pencil boxes sold? Friday
- c How many pencil boxes did the shopkeeper sell in entire week? 165
- d On which day were the least number of pencil boxes sold? Monday & Saturday

- 3 The given pie chart shows the means of transport used by 500 students to come to school.

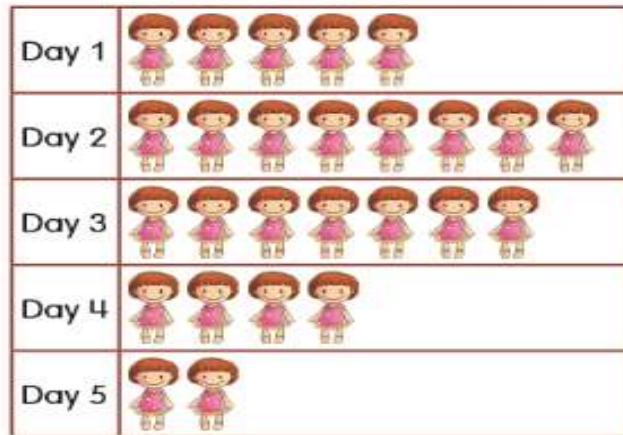
- a How many students come to school by bicycle? 125
- b How many students come to school by car? 100
- c How many students come to school by bus? 115
- d How many students do not walk to school? 340




Mental Maths

Jack owns a toy shop. He records the sales of soft toys in his shop for 5 days, and represents it using a pictograph. Read the pictograph, and answer the following.

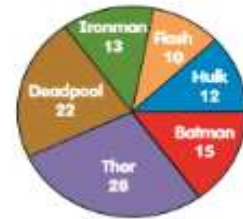
- Which day recorded sales of more than 10 toys but less than 25 toys? **Day 4**
- What is the total sales of the last three days? **65 Toys**
- How many more toys were sold on Day 3 compared to Day 5? **25 toys**
- How many toys were sold on Day 2? **40 Toys**
- Which day exactly 10 toys were sold? **Day 5**
- Give a suitable title of the pictograph. **Answer may vary.**



 = 5 Toys

Post activity- Observe the Pie Chart and answer the following Questions.

- A book store tracked 100 fans' favourite superheroes by having them vote. Observe the pie chart, and answer the following questions.



- Which superhero is the most popular? **Thor**
- Which superhero is the least popular? **Flash**
- Which two superheroes account for half of the votes? **Deadphool & Thor**
- Write the number of fans that chose Flash as a superhero. **10**

Teacher Sign

Hod Sign

Coordinator Sign

Principal Sign

