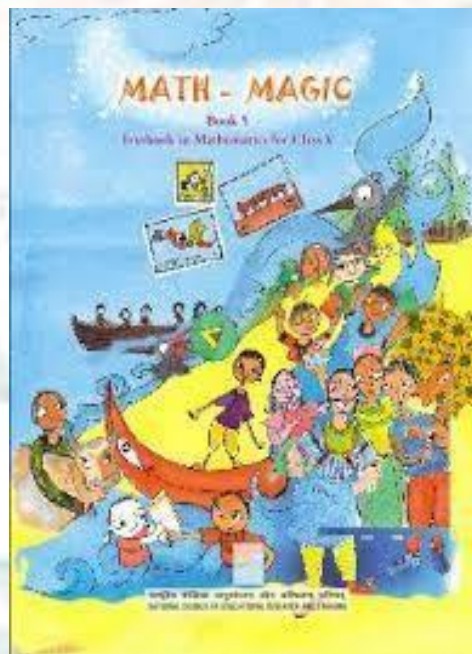




पुर्णता International School
Shree Swaminarayan Gurukul, Zundal

Class - V
Mathematics
Study materials



Ch- 12 smart charts

❖ Summary:

- Introduction
- Show the tally mark
- Look the bar graph and fill in the blanks
- Pie chart
- Activity



❖ **Introduction:**

- **Data:** Data is collection of facts or information.

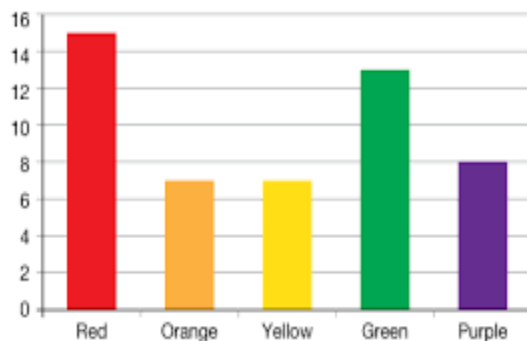
- Tally marks are

Example:

1	2	3
4	5	6

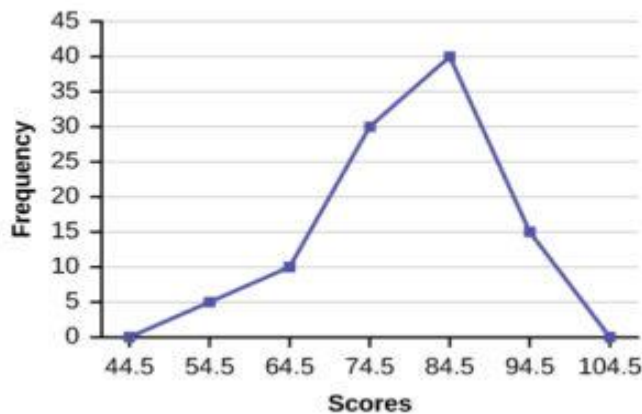
- **Bar graph:** A bar graph can be defined as a chart or a graphical representation of data, quantities or numbers using bars or strips.

Skittle Frequency Bar Graph

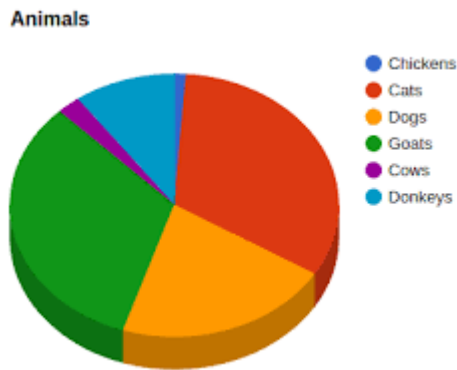


- **Frequency polygon:** A frequency polygon is a graph constructed by using lines to join the midpoints of each interval.

Test Scores



- **Pie – charts:** A pie chart is a circle chart which is divided into slices to illustrate numerical proportion.



- **Show the tally marks:**

[A]

Animals	Cats	Dogs	Rabbits	Cows	Parrots	Goats	Squirrels
Numbers	25	10	9	13	15	20	3

Answer

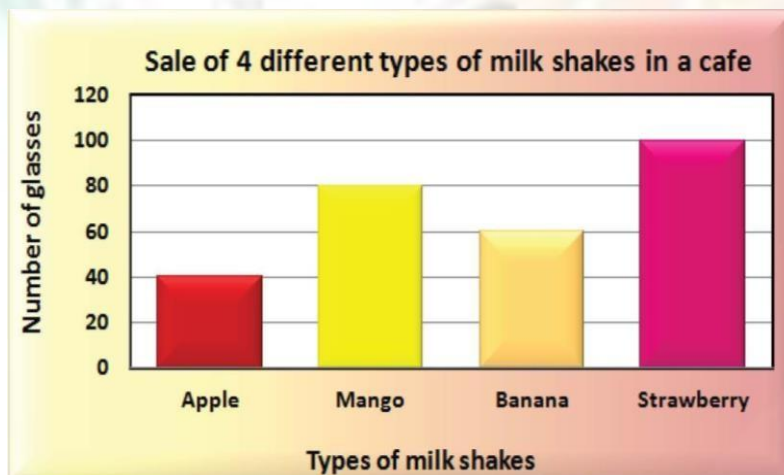
Animals	Tally Marks	Numbers
Cats		25
Dogs		10
Rabbits		9
Cows		13
Parrots		15
Goats		20
Squirrels		3

Juice	Apple	Orange	Pineapple	Guava	Litchi	Mixed fruit
Number	24	26	19	8	14	24

Answer

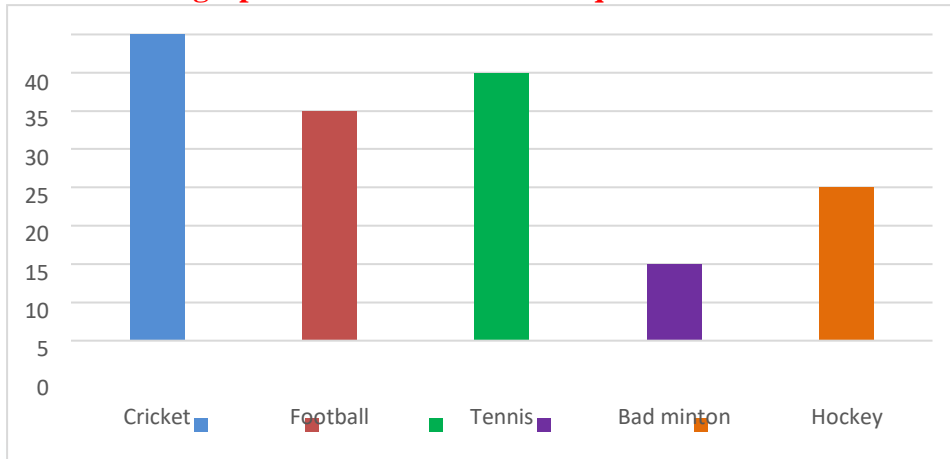
Juice	Tally Marks	Numbers
Apple		24
Orange		26
Pineapple		19
Guava		8
Litchi		14
Mixed fruit		24

- The graph below shows the sale of 4 different milk shakes in a café on a Sunday see the graph and answer the question:



- If a glass of banana shakes costs Rs 15, how much did the café owner earn from the sale of banana shakes? $15 \times 60 = 900$
- Which shake is preferred by most number of children? **Strawberry**
- Least favorite juice is **Apple**
- Find the total number of shakes sold on Sunday. $40 + 80 + 60 + 100 = 280$
- What is difference between apple shake and mango shake sold? $80 - 40 = 40$

- Look the bar graph below and answer the question:



- a) Which sport is played by the maximum number of students?

Ans: Cricket

- b) How many students play football?

Ans: 30 students

- c) How many students go for tennis?

Ans: 35 students

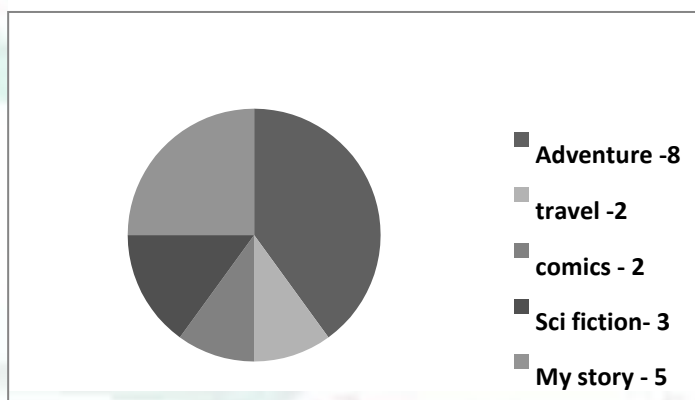
- d) Which game is played the least by the students?

Ans: Bad Minton

- e) How many like to play hockey?

Ans: 20 students

- Look at the data shown in the pie chart given below. Answer the following questions



- a) The survey was carried out on 20 children.
- b) Adventure books are read by 8 children.
- c) More number of children read My story and adventure books than Science Fiction.

d) The same number of children read **comics** and **travel** books.

❖ **Activity:**

- **Make tally mark of what your friends like to do after school.
For example**

<i>What they like to do after school</i>	<i>Number of children</i>
Watching TV	2
Playing football	3
Reading story books	2
Cycling	1
Playing indoor games	1
Doing homework	1