

THE BASIC DATA HANDLING

POWERPOINT PRESENTATION

WHAT IS DATA HANDLING

- ***The collection, recording and the presentation of data is called data handling it helps us to compare and understand data. The basic consists of tally marks bargraphs pictographs and double bargraphs***
- ***In this we would learn about tally marks and bar graphs along with pictograph.***

WHAT ARE TALLY MARKS

- *Instead of writing the actual number we use tally marks .Tally marks are representated only in one way*

That is | =1 || =2 and so on

But when it comes to five we stop at four and make a right diagnol line on those four lines plus we must also leave space after 5 tally marks





 =5 in the same way 10=



And so on.....

Tally marks **EXAMPLE**

- *There are many ways to show data in an organized and graphical way. Some of the examples are; bar graphs, line graphs, tally charts and pie charts. Today we are going learn about Tally Charts. Tally Chart is a simple and easy way to show data.*
 - *Tally chart Definition:*
 - *Tally Chart is an organized way of showing data using tally marks in the form of a table. The table clearly shows the item in consideration, how many times the item was considered and the total number of occurrences for that item. To make the counting of occurrences easy, and visually clear tally marks are grouped in group of five*
 - *Let's look at tally chart example of "Pets in the house" ...*
 - *Provided information:*
 - **8 Dogs**
 - **7 Birds**
 - **4 Fish**
 - **9 Cats**
- Now let's organize this data in a tally chart to make it easy to read and understand.*

pets	Tally marks	numbers
dogs		8
birds		7
fishes		4
cats		9

– *For understanding "How to create and show Tally Marks", study Tally Chart Tutorial below...*

- *How to create and show Tally Marks-Tally chart tutorial*
- *See below "Tally Chart Table" that shows an organized way of displaying data from example mentioned above ...*
- *Tally Chart Example*

Bar graphs

- *A bar chart or bar graph is a chart with rectangular bars with lengths proportional to the values that they represent. The bars can be plotted vertically or horizontally. A vertical bar chart is sometimes called a column bar chart. A bar graph is a chart that uses either horizontal or vertical bars to show comparisons among categories.*

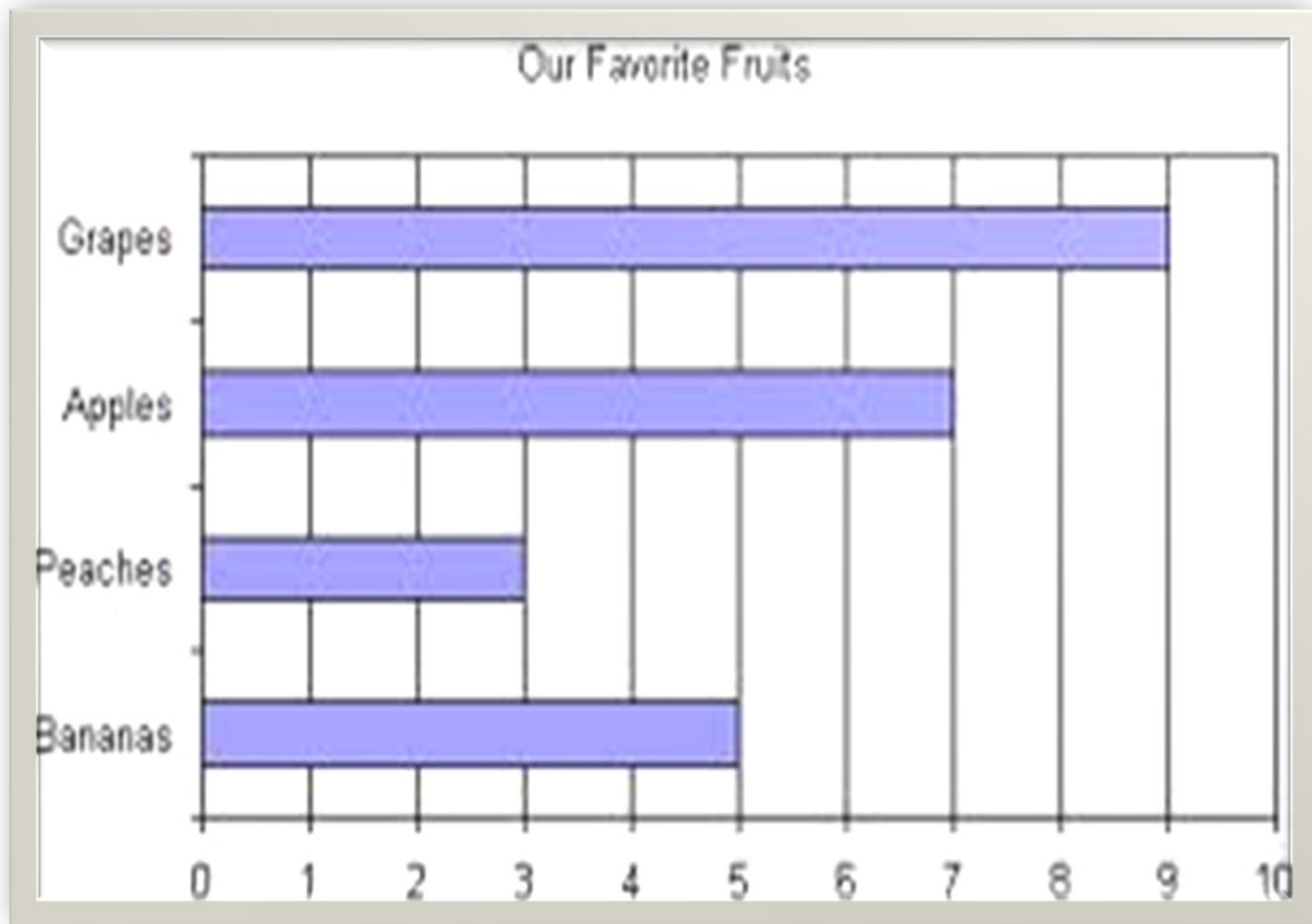
EG OF BAR GRAPH

- *:Example: Most Popular Fruit*
- *A survey of 145 people revealed their favorite fruit:*

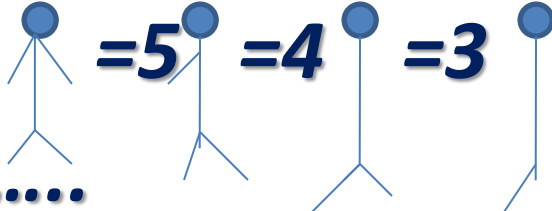
apples	Bananas	peaches	grapes
7	5	3	9

- *(BAR GRAPH ON THE NEXT PAGE)*

BAR GRAPH



PICTOGRAPH

- *A pictograph uses pictures or symbols to represent an assigned amount of data. we can use full pictures for a whole half for $\frac{1}{2}$ and three fourth for $\frac{3}{4}$ and so on but for representing a person we can also use this formula=*
*=5 =4 =3 =2*
- *And so on.....*

EXAMPLE OF PICTOGRAPH

- ***The following example shows the number of shirts with each child***
- ***Steve=12***
- ***William=13***
- ***Kevin=15***
- ***Karin=20***

PICTOGRAPH



= 4 T - shirts



= 2 T - shirts



= 1 T - shirt

- *We would learn about the further data handling methods in future till then,*

THANK YOU VERY MUCH

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MATHS