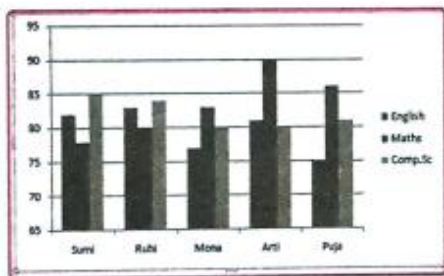# UNIT-IV

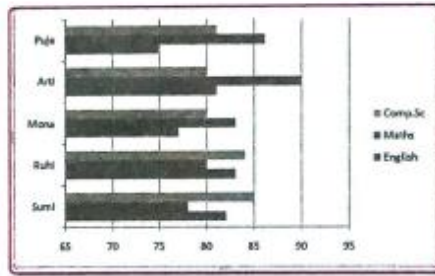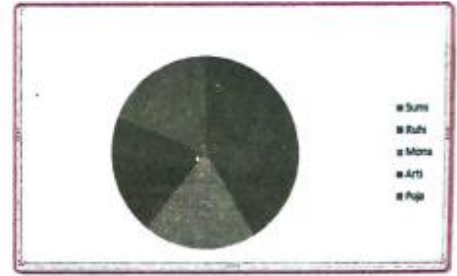# Charts In MS Excel 2007

INTRODUCTION

➢ You know about presenting data and information in the form of numbers.

➢ This is called **numeric data.**

➢ It is also possible to present numeric data and information in a **pictorial form.**

➢ A pictorial representation of numeric data is called a **chart or graph.**
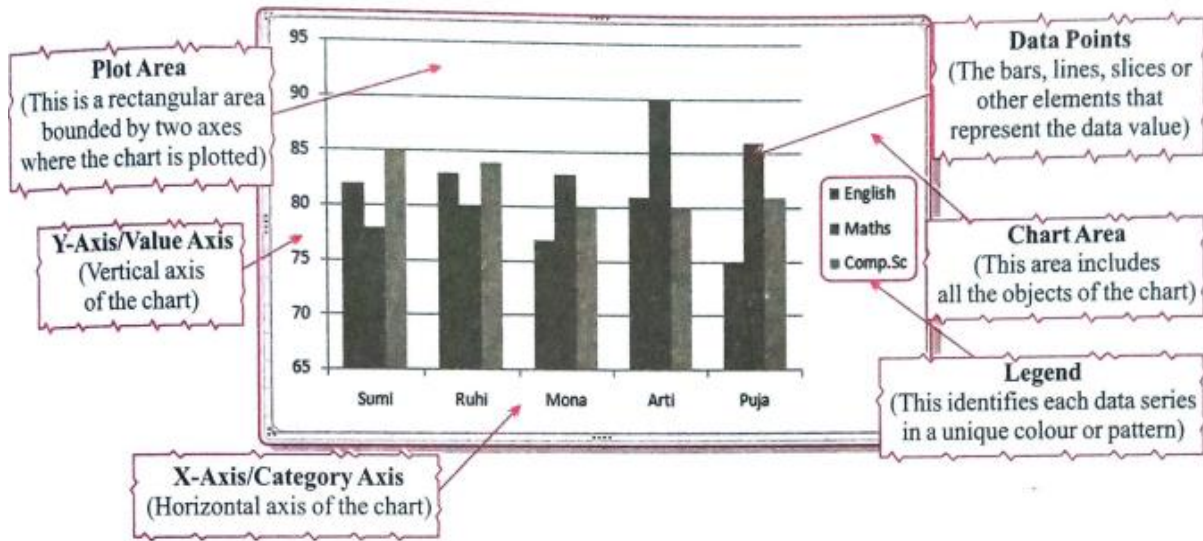

Column chart   Bar chart   Pie chart

❖ Charts and graphs are more attractive and appealing than a simple presentation of data.

❖ It is same as the saying 'A picture is worth a thousand words'.

There are many **advantages of charts and graphs**. Some of the advantages are:

❖ Charts present data and information in an attractive manner.

❖ Charts present data and information in a compact manner.

❖ Charts are easier to understand and compare.

❖ Charts have a long lasting effect on the mind than a simple data statement.

COMPONENTS OF A CHART

➢ The main components of a chart are : **Plot Area, Value Axis, Category Axis, Data Points, Chart Area, Legend**.
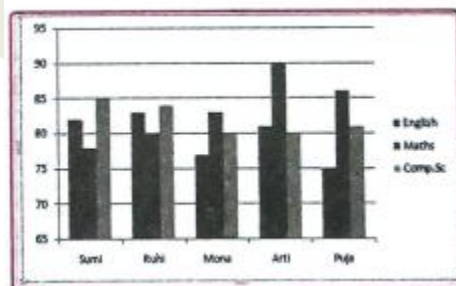
TYPES OF CHARTS IN MS EXCEL 2007

- ➢ Microsoft Excel supports many types of charts to display your data in a way that is meaningful and provide impressive visual support to your audience.

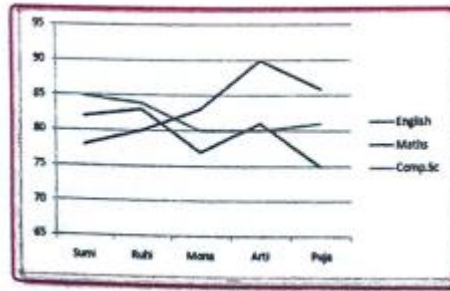- ➢ Charts available in MS Excel 2007 are as follows:

Column Chart

- ✓ A **Column chart** shows the data changes over a period of time or illustrates comparisons among items.

Line Chart

- ✓ A **Line chart** shows the different trends in data at equal intervals.

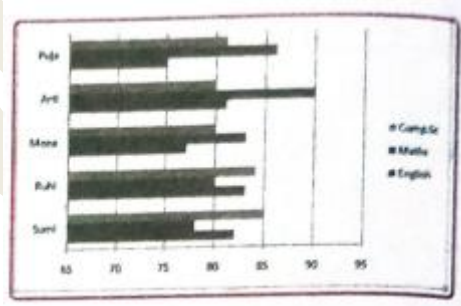- ✓ It shows data in different styles of lines varying at equal intervals.

Pie Chart

✓ A **Pie chart** shows one data series in the form of the comparative size of things that make up the data series to the sum of the items.
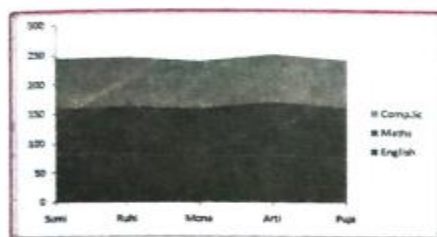

Bar Chart

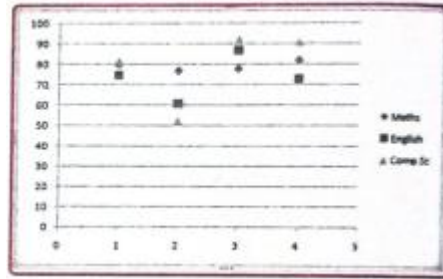✓ A **Bar chart** shows comparisons among individual items.

Area Chart

✓ An **Area chart** shows the trend of values over time or categories.

Scatter Chart

- ✓ A **Scatter chart** shows the relationship between the pairs of values in scatter format.
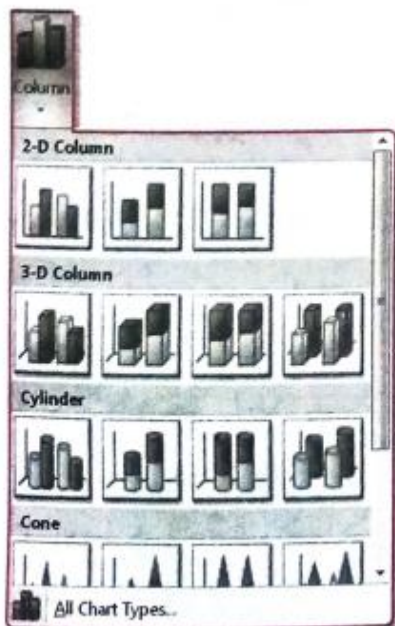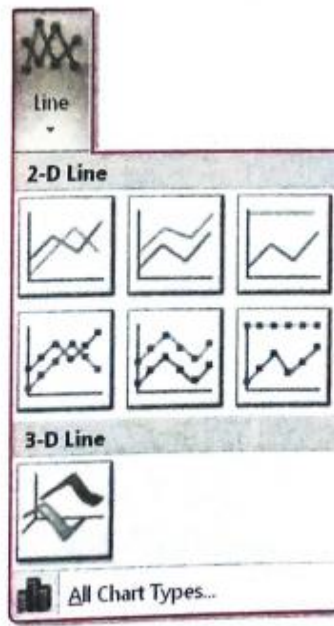

Other Charts

- ✓ **Other Charts** include Surface, Doughnut, Bubble and Radar Charts.
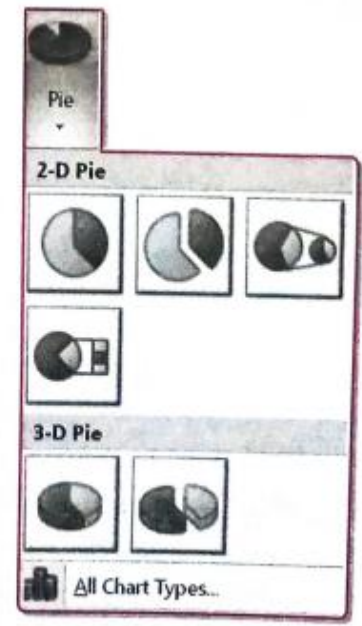

- ✓ Each of these chart types are divided into a number of **Subtypes** in MS Excel 2007. Have a look at them.
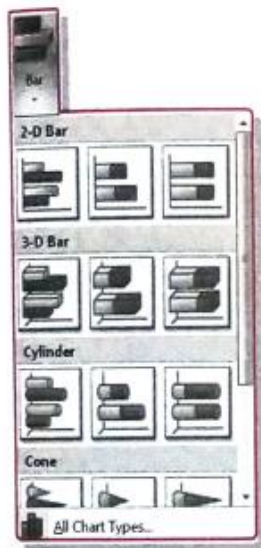

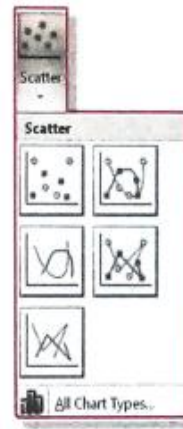
subtypes of Column chart

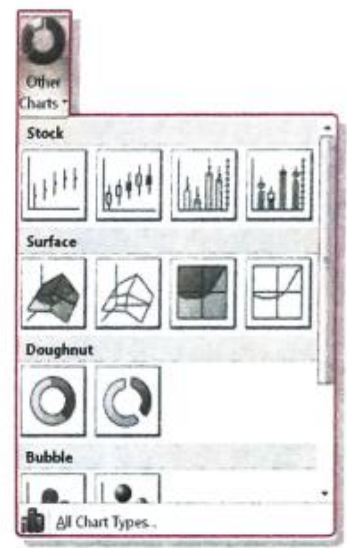subtypes of Line chart

subtypes of Pie chart

subtypes of Bar chart   subtypes of Area chart   subtypes of Scatter chart   subtypes of Other charts