



We use different means of transport to come to school. Some of us come to school on foot, some use bicycles and some use other means of transport. Let's make a list of the children of our class on the basis of the means of transport which they use to come to school.

- Teacher – Children, today who came to school on foot, raise your hands. Meena, count and tell how many children have come to school on foot.
- Meena – Altogether 16 children have come to school on foot.
- Teacher – Now the children who have come to school by bicycles, raise your hands. Sahil count the number of children who have come to school by bicycles.
- Sahil – Altogether 4 children have come to school by bicycles.
- Teacher – Now those children who have come to school by bike or other means, raise your hands. Peter count and tell the number of such students.
- Peter – They are only three in number.
- Teacher – Well done! Now we will write it in an organized way in a tabular form.

Table

Serial no.	Means of transport used to come to school	Number of students
1.	on foot	16
2.	bicycle	04
3.	bike or other modes	03
total		23

Observe the table and tell -

- Teacher – Meena, by which means of transport the maximum number of children have come to school today.
- Meena – Most of the children have come to school on foot.



- Teacher – Very good! Radhika, by which means of transport the minimum number of the children have come to school?
- Radhika – The minimum number of children have come to school by bike or by other means of transport.
- Teacher – Very good! Meena, how did we get this information?
- Meena – By observing the table.

This year on 2nd October, the children of different classes collected polythene bags scattered in the school premises during cleanliness campaign. Observe the number of polythene bags in the following table-

Serial no.	Class	Number of collected polythene bags
1.	1	9
2.	2	5
3.	3	4
4.	4	6
5.	5	8
Total		32

- Teacher – Razia, total how many polythene bags have been collected?
- Razia – Total 32 polythene bags have been collected.
- Teacher – Sahil, students of which class have collected the maximum number of polythene bags?
- Sahil – Students of class 1 have collected the maximum, '9' polythene bags.
- Teacher – Well done! Peter arrange the classes in descending order on the basis of number of polythene bags that they have collected.
- Peter – Class -1 > Class -5 > Class -4 > Class -2 > Class -3
- Teacher – Very good!

In both the discussions, the given information is the **data**. To arrange the data in a table is called **tabulation** or making table. We have seen that from the table of given data we get various kinds of information.





Do it yourself -

In a primary school the heights of the students of class 4, from serial number 1 to 15, are given in cm. Now look at the table and tell -

- How many boys and girls are there in the table?

Table (chart)

Serial no.	Name	boy/girl	Height (cm)
1.	Madan	boy	126
2.	Meena	girl	113
3.	Rahul	boy	118
4.	Golu	boy	122
5.	Sheetal	girl	109
6.	Salma	girl	110
7.	Afreen	girl	111
8.	Peter	boy	126
9.	Mariyam	girl	112
10.	Balvinder Singh	boy	128
11.	Anwar	boy	123
12.	Seema	girl	114
13.	Razia	girl	107
14.	Raju	boy	124
15.	Sahil	boy	125

- How many children have the height of 120 cm or more?
- How many children have the height of 110 cm or less?
- Tell the name of the tallest boy and the tallest girl.
- Write the heights of the five smallest children in ascending order.



In the same way data can be tabulated by collecting information and facts related to farmer's land, education, income, number of rooms in a building, population, age, weight, height and obtained marks of students.

We have learnt

- The collection of facts or information is called the data.
The data represents information in numerical forms.
- To arrange the data in the form of table is called tabulation (making table).
- Comparing, analyzing, concluding and making decisions with the help of the table.

Exercise

1. List of the most favourite games of 40 students of a class is as follows-

Serial No.	Game	Number of students
1.	cricket	16
2.	football	05
3.	kabaddi	07
4.	hockey	10
5.	others	02
total		40

Look at the above table and tell -

(a) Which is the most favourite game of the students?

(b) By how much number of students who like kabaddi are less than the number of students who like hockey?

2. Look at the following table and tell -

Serial no.	Name of the farmer	The area of the fields (in hectares)
1.	Ramu	06
2.	Mohan	05
3.	Gafoor	04
4.	Makkhan	03
5.	Anwar	06
6.	Heera Lal	08
Total		32

(a) Who has the maximum area of the field?

(b) How much area of land does Anwar have more than Gafoor?

(c) How much total area of land do Ramu and Gafoor have?

3. Marks obtained by 10 students of a class in Maths are given below-

67, 80, 72, 81, 54, 60, 63, 48, 93, 74, arrange these marks in descending order and tell the difference between the obtained maximum and minimum marks.

Project Work

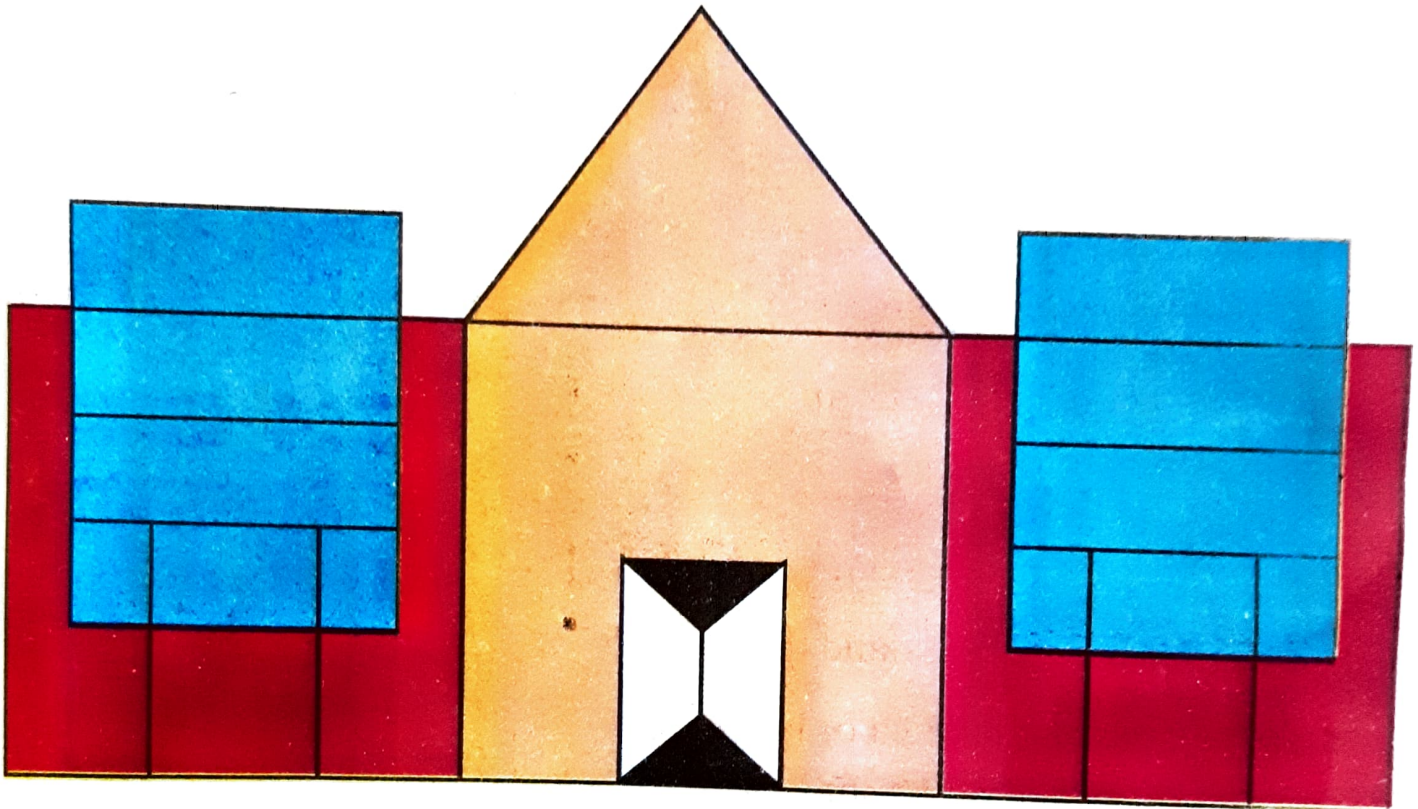
1. Tabulate the marks of Maths, Hindi, English, Sanskrit and Social Studies obtained by all the children in the half yearly examination and arrange them in descending order.
2. Arrange the names of your family members according to their heights in ascending order.



Do it yourself -5

Count how many?

- How many rectangles and triangles are there in the given figure?



Number of rectangles

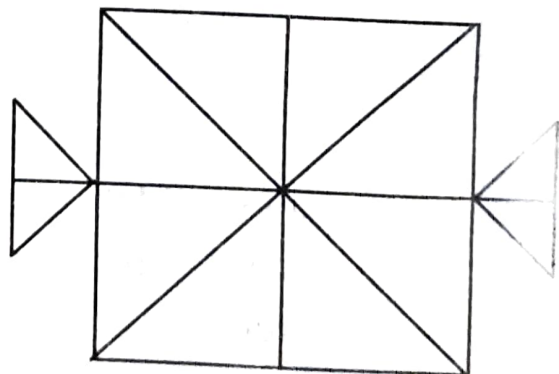
Number of triangles

- Count how many?

Number of squares

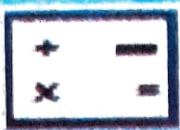
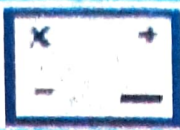
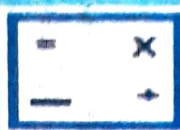
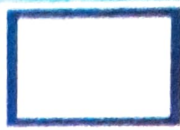
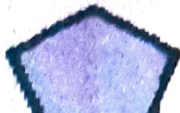
Number of rectangles

Number of triangles



Pattern

Complete the given patterns -

			
			
			
			
			
A C	C F	F J	
2	6	12	
$\frac{8}{32}$	$\frac{4}{16}$	$\frac{2}{8}$	—
$\frac{1}{10} = 0.1$	$\frac{1}{100} = 0.01$	$\frac{1}{1000} = 0.001$	

Draw any patterns on your own -





1. A play ground is 125 metres in length and 50 metres in breadth. A boundary wall is to be made around it. Find the perimeter of the boundary wall.
2. A rectangular field is 100 metres in length and 30 metres in breadth. How many rows of 100 metres long and 6 metres wide can be made in it?
3. The three sides of a triangular bed of flower are equal. The length of the fence set on one side of the bed is 4 metres. What will be the perimeter of the fence set around the flower bed?
4. The perimeter of circular field is 400 metres. A railing is being constructed on its three fourth part. Find out the length of the railing?
5. Tell the names of the months of a year having 31 days.
6. Make a calendar of a month which has 30 days and first day of the month is Tuesday.
7. How many weeks are there in a year? Make a list of the years having 366 days from the year 1974 to 2022.
8. If 5th September is Thursday, write the names of the days of 13th October, 24th October and 3rd September.
9. The data of age and weight of 12 students of a class are given below-

Age (year)	10, 9, 8, 12, 11, 9, 8, 10, 10, 11, 9, 10
Weight (kilogram)	20, 25, 18, 18, 22, 21, 22, 20, 20, 23, 17, 19

 arrange the data in a table.
10. Collect and tabulate the data of the age, weight and height of the girls and boys of your class separately.
11. Tabulate the marks of all the subjects, obtained by all the students of your class.