

Remember

The information in a list can be in the form of names and numbers. Such information is called data.

USING LISTS

EXAMPLE 1 The list shows the number of students present and absent in each class on a certain day.

Do in book.



CLASS	CLASS I	CLASS II	CLASS III	CLASS IV	CLASS V	TOTAL
Number of students	30	26	27	25	28	136
Students present	27	24	27	21	26	125
Students absent	3	2	0	4	2	11

Fill in the blanks in the above list. Then answer the following questions.

- ▶ In which class were all students present?
- ▶ Which class has the most number of students?
- ▶ How many students were absent in all on that day?
- ▶ If the school consists of these five classes, how many students are there in the school?

Class - III

Class - I

11

136

PICTOGRAPH

Remember

Data can be shown with the help of pictures.

The pictorial representation of data is called a pictograph.

EXAMPLE 2 In a school, the students of Class 3A were asked to name their favourite food. Use the information to make a pictograph.

A pictograph helps compare information.

Do in book and copy.

DATA

FAVOURITE FOOD	DOSA	SANDWICH	DAL-RICE	BIRYANI	ALOO-TIKKI
Number of students	8	4	12	10	6

The above information can be shown in the form of a pictograph.

Title → FAVOURITE FOOD OF STUDENTS OF CLASS 3A

Dosa	
Sandwich	
Dal-rice	
Biryani	
Aloo-tikki	
Each stands for 1 student.	



Answer these questions with the help of the above pictograph.

- ▶ What does stand for? 1 student
- ▶ What does the pictograph show? favourite foods of
- ▶ Which food is liked by most of the students? Dal rice.
- ▶ Which food is liked by the least number of students? Sandwich
- ▶ How many students are there in Class 3A? $8+4+12+10+6=40$

EXAMPLE 3 In a toy shop, the following number of balloons were sold during a week. Use the information to make a pictograph. *Do in book and copy.*

DAYS	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
Number of balloons sold	40	60	30	50	80

NUMBER OF BALLOONS SOLD	
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Each stands for <u>10</u> balloons.	

Quick TIP
In case of large numbers, use 1 picture to represent more than 1 object.

① How many balloons were sold on Wednesday and Thursday?
 $30 + 50 = 80$

② On which day the most number of balloons were sold?

Friday. (80)

③ On which day the least number of balloons were sold?

Wednesday (30)

④ How many more balloons were sold on Friday than Tuesday?

$$\text{Friday} = 80$$

$$\text{Tuesday} = 60$$

$$\text{More balloons} = 80 - 60 = 20.$$