

Data Handling

The parents of Soha are shopping for Soha's birthday. They need lot of things like balloons, cake, candles, caps, ice-creams, sandwiches, patties and juices. They make a list so that they don't forget anything!



Item	Number
Candles	3 packets
cake	1
Balloons	9
Ice-creams	16
Caps	8

Item	N
Sandwiches	
Return gifts	
Gulab jamuns	
Juices	
Patties	

Number	
19	
10	
16	
15	
18	

A list helps us to organise information about things.

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



Sometimes, we can make a list with more than two columns to show more information.

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



Class	Class I	Class II	Class III	Class IV C	lass V T	otal
Number of students	48	56	32	35	38	
Students present	39	52	30	34	38	
Students absent	9	4				

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

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



Data can be shown with the help of pictures. The pictorial representation of data is called a pictograph.

Example II: In a school, the Children of Class 3 A were asked to name their favourite food. Use the information to make a pictograph.

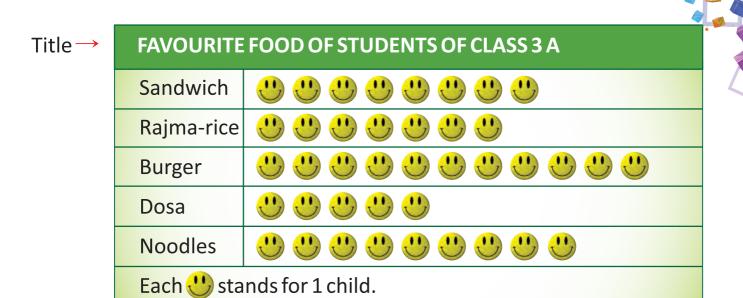
Favourite Food	Sandwich	Rajma-rice	Burger	Dosa	Noodles
Number of children	8	7	11	5	9

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



A pictograph will always have a title. It may also have a note explaining the picture.





Answer these questions with the help of the above pictograph.

a. What does 😃 stand for ?	1 child
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- b. How many children are there in Class 3 A?
- c. Which food is liked by the least number of children?
- d. What does the pictograph show?
- e. Which food is liked by most of the children?



1. Use this pictograph to answer the questions that follow.

Apples sold in September									
1st week	3 4) (3	ð	0				
2nd week	6		6	(1)	(1)	0	0	6	
3rd week	6					(1)	0		
4th week	3 4								
One i represents 1 kg of apples.									

- a. How many more apples were sold in the 3rd week than in the 1st week?
- b. How many kg of apples were sold in the month of September?.....
- c. In which week were the maximum number of apples sold?

2. Use this pictograph to answer the questions that follow.

Number of books issued from the library during the week									
Monday			To be	Table 1					
Tuesday	100		EGA.	Silver .	200				
Wednesday	2.	I							
Thursday			ED.x	Table 1					
Friday			ED.x	Table 1		Side N			
Saturday			ES.						
Each represents 10 books.									

a.	What does	represent?	

b. On which day were the least number of books issued?

c. On which day were the most number of books issued?

d. What information does the pictograph give?

e. What was the total number of books issued during the week?



Information can also be shown in bar graphs. A bar graph has bars of different height.

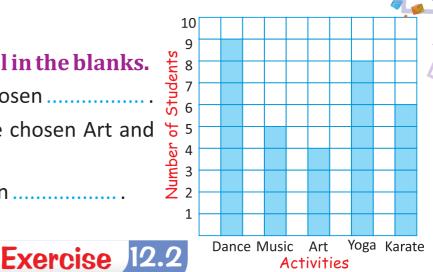
Example III: The following is a list of some activities chosen by some students under the CCE pattern. Show this information with the help of a bar graph.

Activities	Dance	Music	Art	Yoga	Karate
Number of students	9	5	4	8	6



Study the bar graph and fill in the blanks.

- a. The least students have chosen
- b. students have chosen Art and Yoga.
- c. Most students have chosen

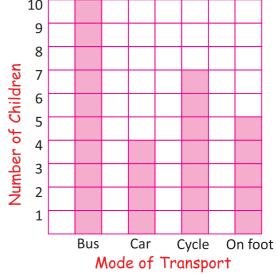


1. Study this bar graph which shows the mode of transport used by Students to go to school.

Answer the questions that follow.

- a. How many students walk to go to school ?
- b. Which is the most popular mode of transport?
- c. How many students use cycle to go to s c h o o l ?

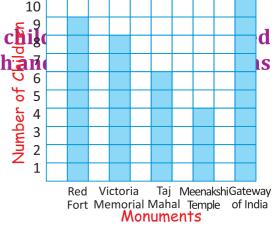
d. Which mode of transport is the least used



2. This bar graph shows the number of child various monuments. Study the bar graph and that follow.

- a. Which monument is visited by the most number of children?
- b. How many children visited Red Fort?

c. Which monument is visited by the least number of children?













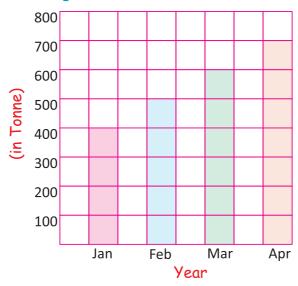


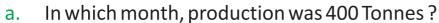
- The information in a list can be in the form of names and numbers.
- Data can be represented with the help of a pictograph.
- ❖ A pictograph will always have a title.
- A bar graph has a bar of different height.



1. Multiple Choice Questions (MCQs)

Tick (✓) the correct option.





- (i) Feb
- (ii) Jan
- (iii) Mar
- (iv) Apr
- b. How much production was in month of Feb and March?
 - (i) 300 Tonne

(ii) 400 Tonne

(iii) 900 Tonne

- (iv) 1100 Tonne
- c. In bar graph, which month has least production?
 - (i) Jan
- (ii) Feb
- (iii) Mar
- (iv) Apr
- d. Which month has maximum production?
 - (i) Apr
- (ii) Mar
- (iii) Feb
- (iv) Jan















	e. In which	month	n, pro	ducti	ion w	as 50	0 Ton	nes ?			
	(i) Jan		(i	i) Fe	b	(iii) N	⁄lar	(iv)	Apr	
2.	Tanu asked favourite TV									hat are	their
	Channels		Cor	nedy	, <u> </u>	Sp	orts	(Cartoons	Adver	iture
	No. of childr	en		8		6	5		4	6	
	Show this in given below.		atio	n on	the p	oicto	grap	h an	d answer t	he que	stions
a.	Which is the le	east o	fpopi	ular c	hann	el?					••
b.	Which is the n	nost p	opula	ar cha	nnel	?					••
C.	Which two typ	oes of	chan	nels a	are ed	qually	рор	ular ?	•••••	•••••	
d.	How many bo	ys did	Tanu	ask i	n all ?)				•••••	
3.	Use the give bar graph fr	_	_	_			the	follo	wing ques	tions. M	Iake a
	Favourite (colou	rs in a	class	5						
	Green	0	0	<u> </u>	0						
	Orange	<u></u>		<u>(u)</u>	<u>(i)</u>	0	<u>()</u>		~		
	Red	<u></u>	<u>(U)</u>	<u>(U)</u>	\odot		\bigcirc	\bigcirc	\odot		
	Pink	(i)	<u> </u>	\bigcirc							
	Blue	<u>()</u>	<u>()</u>								
	Yellow										
	Each 🥮 st	ands f	or 2 g	irls							
a.	What does @	stan	ds for	?							ı
b.	Which colour	is the	most	рорі	ılar?						
c.	How many girls like orange?										
d.	Which colour	is not	liked	by m	ost o	fgirls	?				
e.	How many gir	ls are	there	in th	e clas	ss?				•••••	



Why do we make a list or table to store a large amount of data?



Objective: To understand the concept of addition with:

Representing data on a

pictograph.

Materials Required : Glue, bindis of small size and drawing

sheet



Process:

Record the number of children in the class having their birthdays in the different months of the year. The total should be equal to the number of children in the class.

Months	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Number												
of students												

- Decide the title of the pictograph.
- Decide the symbol (you may use bindis).
- Decide the number of students each symbol should represent.
- Find out the month in which the least number of students have their birthdays and the month in which the most students have their birthdays.

7	TITLE	
Jan	0	
Feb		
Mar		
Apr		
May		
Jun		
Jul		
Aug		
Sept		
Oct		
Nov		
Dec		
Each	Represents _	students.







