

DATA HANDLING

Subtopic: Introduction, Collecting Data, Organisation of Data

Section 1

1. Mark T for True and F for False

1a. It is important to know why we are collecting data.

1b. Organising data helps us.

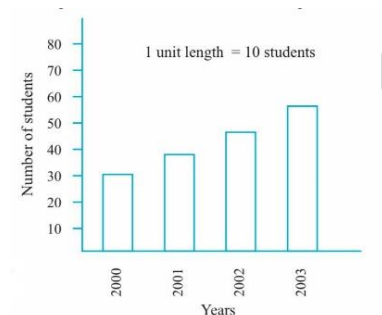
2. Choose the correct answer.

2a. Ascending order means

- a) 23, 35, 48
- b) 48, 35, 23
- c) 23, 48, 35
- d) 35, 48, 23

2b. From the bar graph, choose how many students were added each year.

- a) 5
- b) 6
- c) 7
- d) 10



3. Fill in the blanks

3a. _____ represents data through pictures.

3b. _____ is a collection of numbers gathered to give some information.

4. Match the following.

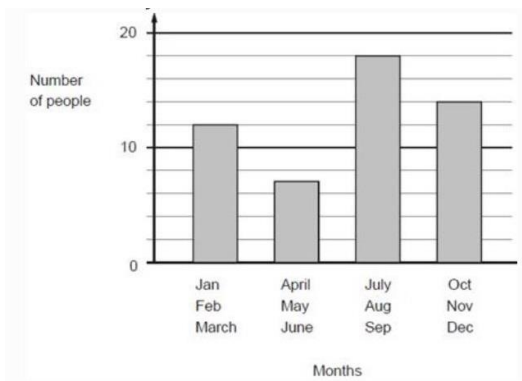
Column 1	Column 2	Answer here	
a) I	1) 8	a)	
b) III	2) 3	b)	
c) III	3) 10	c)	
d)	4) 6	d)	
e)	5) 5	e)	

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Section 2

5. This chart shows that the number of people with birthdays in each three months of the year. How many people have birthdays before July?



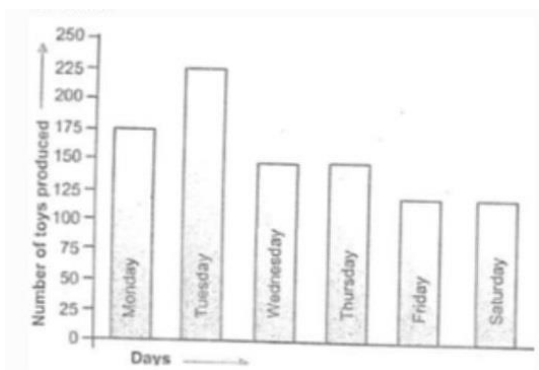
6. A survey of 120 students was done to find out which activity they prefer to do in their free time. Draw a bar graph to illustrate the above data taking scale of 1 unit length = 5 students. Which activity is preferred by most of the students other than playing?

Preferred activity	Number of Students
Plying	45
Reading story books	30
Watching T.V.	20
Listening music	10
Painting	15

7. The bar graph shows the number of toys produced by a factory in a certain week. Answer the following questions: 1) On which day the maximum number of toys were produced? 2) On which day equal number of toys were produced? 3) What is the total number of toys produced during the week? 4) In which day minimum number of toys were produced?

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8. A cricketer scores the following runs in 8 innings: 58,76,40,35,46,45,0,100. What is his highest score? What is his lowest score? Answer after organising the data in tabular column.

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Section 3

9. Total number of animals in five villages are as follows:

Village A: 80

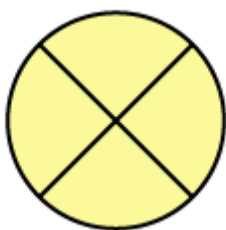
Village B: 120

Village C: 90

Village D: 40

Village E: 60

Prepare a pictograph of these animals using one symbol as shown



to represent 10 animals and answer the following questions:

- How many symbols represent animals of village E?
- Which village has the maximum number of animals?
- Which village has more animals: village A or village C?

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10. Number of persons in various age groups in a town is given in the following table.

Age group (in years)	1-14	15-29	30-44	45-59	60-74	75 and above
Number of persons	2 lakhs	1 lakh 60 thousands	1 lakh 20 thousands	1 lakh 20 thousands	80 thousands	40 thousands

Draw a bar graph to represent the above information and answer the following questions. (take 1 unit length = 20 thousands)

(a) Which two age groups have same population?

(b) All persons in the age group of 60 and above are called senior citizens. How many senior citizens are there in the town?