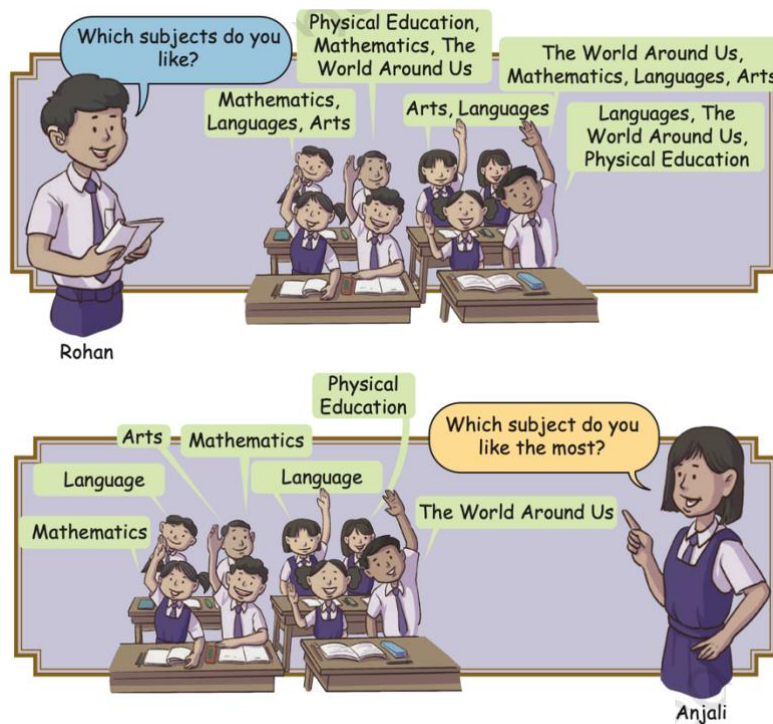


Chapter 14: Data Handling

Textbook Page 203 – 205

Look at the questions asked by Rohan and Anjali.

Q. Tick the question that is the most appropriate for finding the ‘most liked subject’? Why do you think so? Discuss with your friends and teacher.



Solution:

The question asked by Anjali 'Which subject do you like the most' is the most appropriate for finding the 'most liked subject'.

I think so because it asks the person to choose only one subject that they like the most.

While the other question 'Which subjects do you like' allows person to name several subjects.

Q. Anjali and Rohan recorded the children's answers (responses) to the above question as follows:

They wrote M for Mathematics, L for Languages, T for The World Around Us, A for Arts and P.E. for Physical Education.



Look at the children's responses above and answer the following questions:

- The number of children who like Mathematics the most is _____ .
- The number of children who like Language the most is _____ .
- The number of children who like The World Around Us the most is _____ .
- The number of children who like Physical Education the most is _____ .
- The number of children who like Arts the most is _____ .

Solution:

- (i) The number of children who like Mathematics the most is 10.
- (ii) The number of children who like Language the most is 8.
- (iii) The number of children who like The World Around Us the most is 7.
- (iv) The number of children who like Physical Education the most is 11.
- (v) The number of children who like Arts the most is 9.

Q. Let's fill the above information in this table.

Subjects	No. of Children
Mathematics (M)	_____
Languages (L)	_____
The World Around Us (T)	_____
Physical Education (P.E.)	_____
Arts (A)	_____

Solution:

Subjects	No. of Children
Mathematics (M)	<u>10</u>
Languages (L)	<u>8</u>
The World Around Us (T)	<u>7</u>
Physical Education (P.E.)	<u>11</u>
Arts (A)	<u>9</u>

Q. Now, look at the above table and answer the following questions:

- (i) What is the most common favourite subject among the children?

Solution:

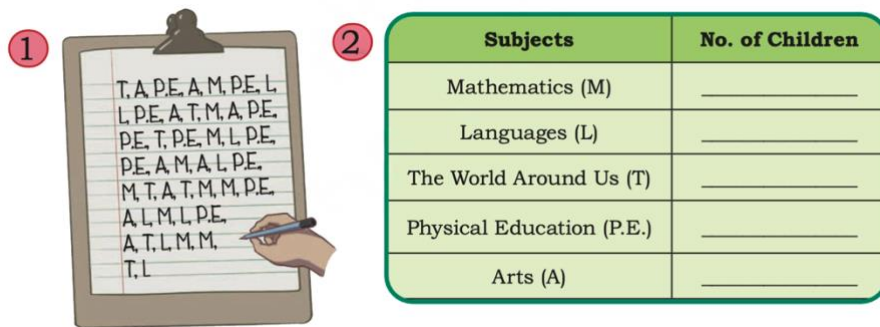
Physical Education.

- (ii) What is the least common favourite subject among the children?

Solution:

The World Around Us.

Q. There are the following two ways to display the information.



Which way of displaying information is easier to understand and why? _____

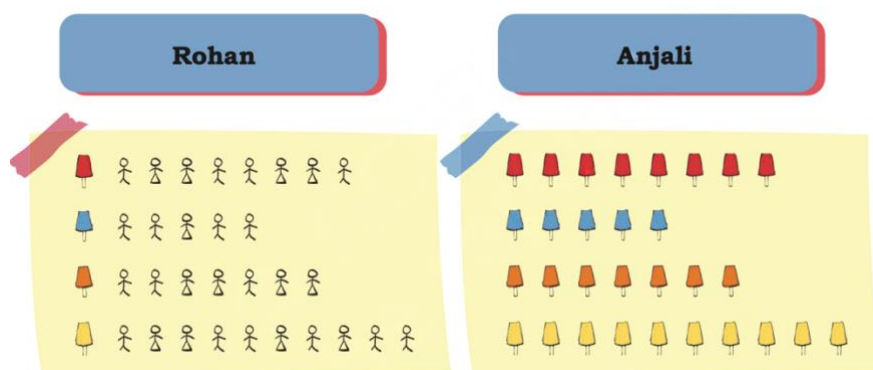
Solution:

The second way of displaying information is easier to understand because it represents the data in an organized form.

Textbook Page 206 – 207

Colourful Golas

During school lunch break children rush to eat gola of their favourite colour. Rohan and Anjali record the golas eaten by different children. They want to eat the one that is most eaten by others. They both start recording the golas eaten by the children.



Look at the information given above. Colour the line drawing of the golas appropriately.

1. Which colour ice gola do the children eat:

a) the most

b) the least

How do you know?

Solution:

(a) the most - Yellow

(b) the least - Blue

We know this by counting the number ice golas of each colour eaten by the children.

2. Which colour gola would Anjali and Rohan have bought?

Solution:

They would have bought the yellow gola, as it is eaten by the highest number of children.

3. Which colour golas did boys eat the most?

Solution:

Yellow.

4. Which colour golas did girls eat the most?

Solution:

Red, orange and yellow.

5. Which of the ways of representing data did you use to answer these questions and why?

Solution:

I used Rohan's way of representing data to answer these questions because it gives more information, such as the number of girls and boys eating each colour of gola, compared to Anjali's way.

Textbook Page 208

Bal Mela

Anjali and Rohan have recorded the number of people who ate fruit chaats and sandwiches in the Bal Mela over three days, using a Pictograph.



Anjali: Fruit Chaat

Days	Total Fruit Chaats
Day 1	      
Day 2	      
Day 3	       

Rohan: Sandwiches

Days	Total Sandwiches
Day 1	     
Day 2	     
Day 3	     

Let Us Do

1. Complete the table.

Items	Total Sold Items
Fruit Chaats	
Sandwiches	

Solution:

Items	Total Sold Items
Fruit Chaats	28
Sandwiches	46

2. On which day were the most sandwiches sold?

Solution:

Day 3.

3. Which item had the highest sale on Day 2?

Solution:

Fruit chaats sold on Day 2 = 12

Sandwiches sold on Day 2 = 16

Therefore, sandwiches had the highest sale on Day 2.

4. Complete the table given below. Circle the day that had the highest sales.

Day	Total Sales
Day 1	
Day 2	
Day 3	

Solution:

Day	Total Sales
Day 1	$7 + 12 = 19$
Day 2	$12 + 16 = 28$
Day 3	$9 + 18 = 27$

Day 2 had the highest sales.