



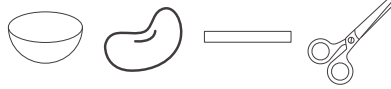
Students will be able to represent data visually (pictographs and bar charts) and draw inferences

40- 50 min

PRE REQUISITES:

G3.51 Know how to recognize patterns in recorded data and draw inferences

TLM



1 bowl
Around 40 Rajma seeds
Paper strips
Scissors



MISCONCEPTIONS

None



KEY VOCABULARY

Bar chart



PLAY



Geeta

Farzana

Srija

Vinatha

Compare the size of hands using paper strips



Divide the students in groups of 4. Distribute paper strips and scissors to each group



Ask all the students to measure their hand using a paper strip. Encourage them to help each other measure their hands



Ensure the students cut off/ tear off the paper strip such that it is as long as the hand of the person



Ask the students to write their names on their paper strips



Ask the students to compare their strips with strips of other members in their group



Ask each group to identify whose hand is the biggest and whose is the smallest

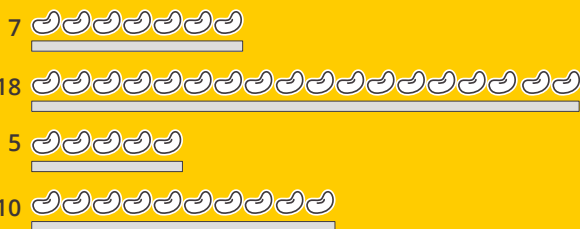


QUESTION

How did you know whose hand is the biggest?



PROCESS



Drawing bar charts to represent the number of objects



Place 4 small groups(4 to 15) of beans on the table. Tell the students to find out which group has the maximum no. of beans



Count the beans in each group & show the no. of beans in each using a pictograph. Tell that each row represents 1 group



Point to the longest line & tell the students that that group has the most no. of beans



Tell that an alternate way to compare the no. of beans in each group is by drawing bars



Draw bars for each group. make bars by drawing & shading equal-sized squares same as no. of beans in each group



Tell the students that bars like these are called bar graphs. They represent the no. of objects in each group



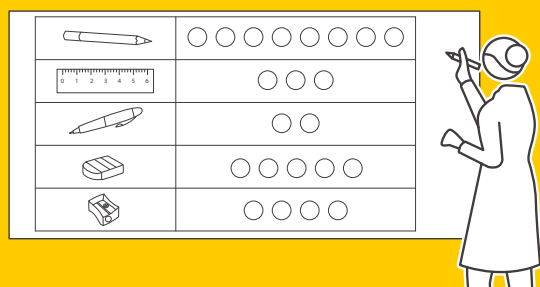
Tell the students that longer bar means more objects & smaller bar means fewer objects



Emphasize that bar charts are easy to draw & analyze as compared to pictographs



PRACTICE



Write the questions on the black board & ask the students to solve it



Help the students solve question 3 from the worksheet. Ask the students to look at the bar graph & find out which animal is most in number



Help the students solve question 4 from the worksheet. Ask the students to look at the table & tell how many more pencils are there than pens



Tell the students that they can subtract no. of pens from the no. of pencils to find out how many more pencils are there. Write & show $8 - 2 = 6$.



Explain that they can similarly find the difference between the no. of any 2 different objects shown



- ① SOLVED EXAMPLE : Use this table to shade squares in the chart below. Shade one square for each child who likes to play the game.

Favourite Sports

Tennis	5
Soccer	4
Swimming	2
Skating	1

5				
4				
3				
2				
1				
0				
	Tennis	Soccer	Swimming	Skating

- ② Look at the chart & circle the grade in which most no. of students shown

Classes	Number of Students
Grade 1	
Grade 2	
Grade 3	
Grade 4	

- ③ This chart shows the favorite pet animals of my friends. Circle & show the most animal which most of my friends like

- ④ Look at the chart & tell how many more pencils are there than pens

Item	How many of each item

- ⑤ A garden has all these insects. Shade squares in the chart below & tell which insect is most in no.

- ⑥ Draw a chart to show the no. of boys & girls in your class. You can use one smiley face to show one student.

No. of Students

Girls

Boys