

<u>PRE-CONTENT/CONTENT/ POST-CONTENT</u>	<u>LEARNING OUTCOMES/OBJECTIVES</u>	
	<u>GENERAL</u>	<u>SPECIFIC</u>
<u>PRE-CONTENT</u> - Collection of data <u>CONTENT</u> - Organizing data - Bar - graphs - Circle Graphs <u>POST-CONTENT</u> - Application in real world	Students will be able to : ✓ define data and frequency ✓ sort and categorize the data given so that it is easier to comprehend ✓ interpret and analyze the bar graphs ✓ judge the scale needed to construct bar graph ✓ relate fractions with circle graphs ✓ apply the knowledge in solving HOTS	Students will be able to : ✓ collect information and arrange it in arrayed data. ✓ identify the way of grouping 5 things together using tally marks. ✓ interpret and comprehend the data represent on bar graphs. ✓ compute the problems based on bar graph using the given data. ✓ recognize and interpret the given circle graphs . ✓ discover the real life situations where data is represented in different ways.

Home Work /Assignment :

- Problems from Math Magic.

AND PROGRESS**MONTH : FEBRUARY** 2/7
CLASS : V

<u>TEACHER'S ACTIVITY</u>	<u>STUDENT'S ACTIVITY</u>	<u>TEACHER'S OBSERVATION AND REMEDIAL</u>
Teacher will : demonstrate an example in the class about collection of data by randomly asking the heights/weights of students in the class and then arrange it as arrayed data. <u>ANNEXURE 12</u> conduct an activity to demonstrate how to represent the data in a tabular form using tally marks. take up a few examples and help the students comprehend the Bar Graph. demonstrate through paper folding technique how circle graphs can be linked to fractions and take up a few examples from the textbook. ask the students to collect a few newspaper or magazine cut-outs where data is represented in bar graphs or circle graphs.	Students will : understand the process and conduct a survey on their own on any question and options of their choice on A4 size sheet and paste it in the notebook. <u>ANNEXURE 12</u> participate in the activity and organize the given data in a tabular form using tally marks. comprehend the Bar graph on the given data and compute problems given in NCERT book Pg – 165&169. assimilate the concept and try to solve the exercise questions given in the Math Magic. paste the cut-outs in their notebooks and write how it made data interpretation easy.	Teacher will write his/her observations after the completion of the topic/s.

Teaching Aids: Textbook – Math Magic, Smart Board, Internet, Colored paper (A4 size)**Methodology/Innovative Methods:** Brain storming and Learning by doing and Digital Technology.**Interdisciplinary Links:** Relate to real life problems and enhance communication skills.**H.O.D.****Coordinator****Head Mistress****Principal**

ANNEXURE 12 **SMART CHARTS**

SUBJECT	MATHEMATICS
CLASS	V
CHAPTER/UNIT	SMART CHARTS
TOPIC	COLLECTION AND REPRESENTATION OF DATA USING TALLY MARKS
TIME	30 MINUTES
NATURE OF ACTIVITY	INDIVIDUAL

What will I learn (Learning Outcome)?

Collection and representation of data in a tabular form (Tally Chart) using tally mark.

Skills: Applying, Analyzing, Effective communication.

What I have to do?:

To organize the given data in a meaningful manner (Tally Chart) using tally marks.

What do I require?:

A4 size sheet, pencil, eraser and adhesive.

What I need to know?:

Collection of data and concept of tally marks.

➤ **Teacher's Activity :**

Teacher will demonstrate the students using some examples how to conduct the survey and collect the data.

How will I proceed?

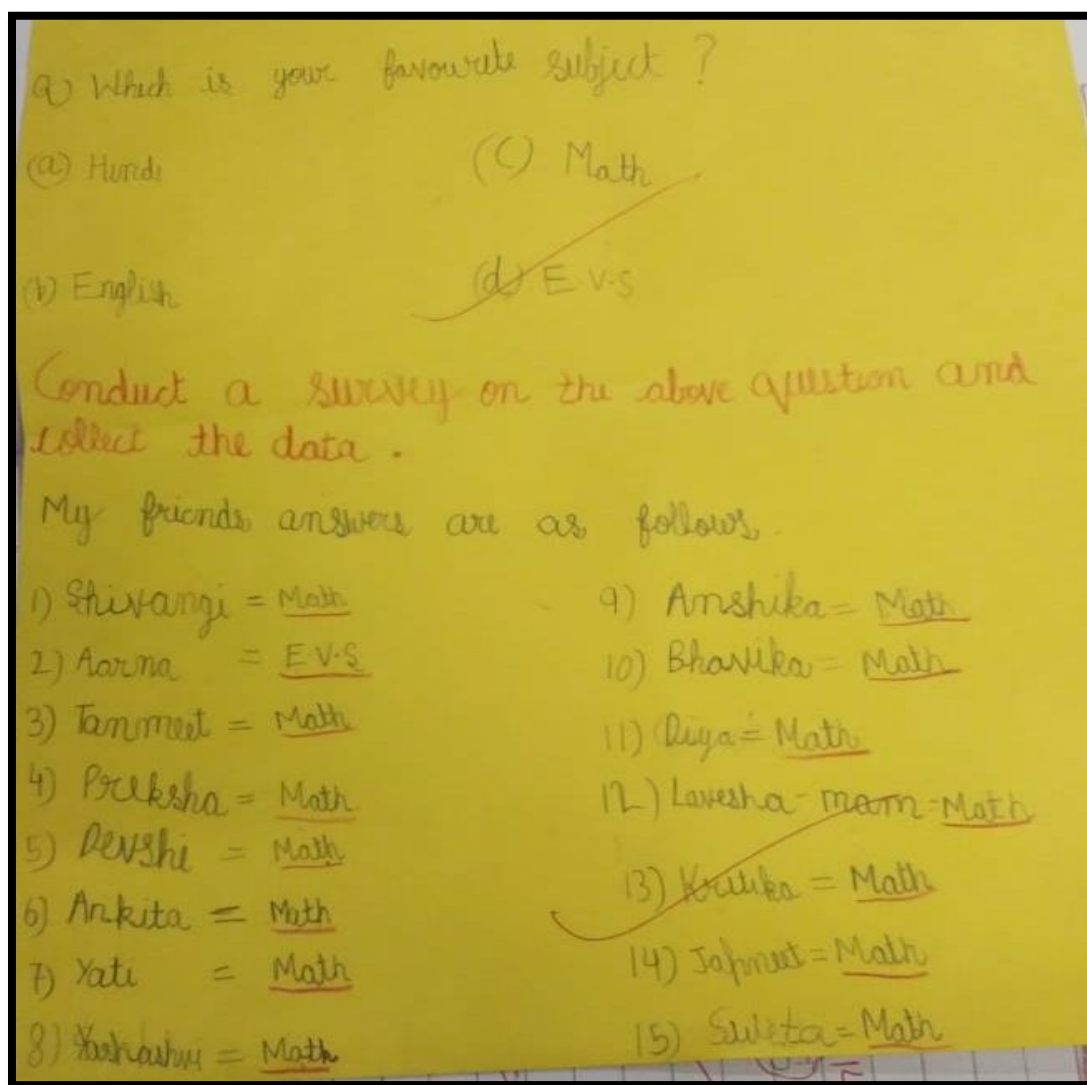
➤ **Student's Activity:**

1. Frame any one question of your choice which has 4 options and write it on A4 size sheet, for eg:

Q)Which is your favorite subject ?

(a) English (b) Hindi (c) Maths (d) EVS

2. Conduct a survey based on your question by asking it from your 15 - 20 classmates and record their answers with their names on A4 size sheet.
3. After completing the survey paste the sheet in your notebook.(refer Fig. 1).



(Fig. 1)

4. Read your classmates' responses carefully and fill the Tally Chart using tally marks. Also write the frequency.

What have I observed?:

My question: _____

Tally Chart

Options given	Tally Marks	Frequency
Total		

_____ is liked by maximum number of students.

_____ is liked by minimum number of students.

What have I learnt?:

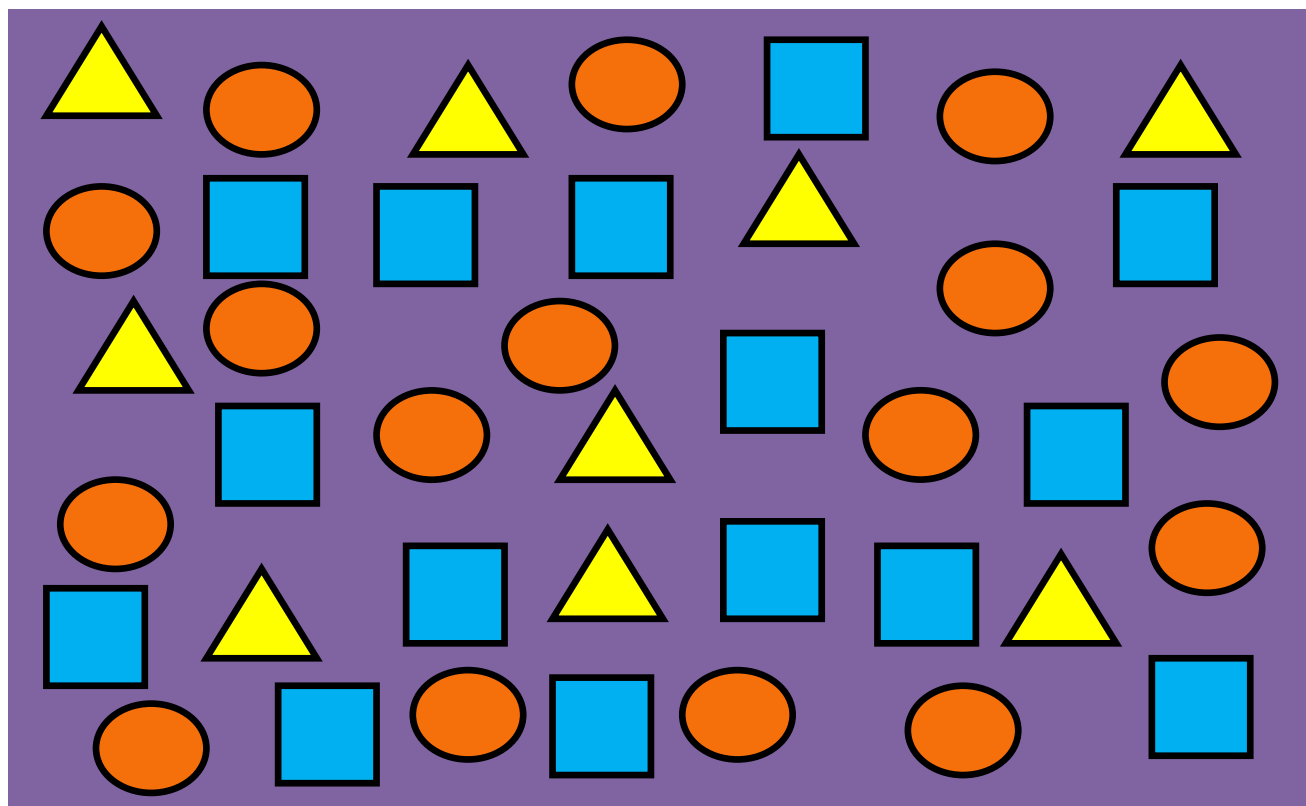
To represent data in tabular form using tally marks.

What am I curious to know?

Collect the data for some other question and represent it in Tally Chart using tally marks .

Let me evaluate myself

Q1) Count the shapes shown in the image below and represent the data in the Tally Chart using tally marks.



<u>Name of the shapes</u>	<u>Tally Marks</u>	<u>Frequency</u>

Q2) A Tally Chart representing the food items sold at a food stall is given below answer the questions that follow.

<u>TOPPINGS</u>	<u>TALLY MARKS</u>
Burger	
Pizza	
Fried Chicken	
Hot Dog	

(a) How many burgers were sold?

(b) Which item is sold the most?

(c) Which item was sold the least?

(d) How many items were sold in all ?
