

SUBJECT: MATHEMATICSLESSON PLANTOPIC: GIVE AND TAKECHAPTER NO: 3

<u>PRE CONTENT / CONTENT / POST CONTENT</u>	<u>LEARNING OUTCOME / OBJECTIVES</u>	
	<u>GENERAL</u>	<u>SPECIFIC</u>
<u>PRE-CONTENT</u> - Previous knowledge of students will be tested by giving few problems of addition of 1 and 2-digit numbers. <u>CONTENT</u> - Building Math Vocabulary - Expand and Add - Addition of 3-digit numbers in vertical column without and with regrouping. - Properties of addition <u>POST CONTENT</u> - To observe addition in the environment and be able to apply it in solving puzzles	Students will be able to :- recall basic addition of 1 and 2-digit numbers. identify various terminologies related to addition and subtraction. recognize addition as forward counting and subtraction as backward counting. corelate expanded form with addition. add numbers without and with regrouping. assimilate the properties of addition. identify that addition/subtraction of 1 leads to successor/ predecessor of the given number respectively. relate addition to daily life problems.	Students will be able to :- recollect and perform addition algorithm of 1 and 2-digit numbers. relate sum, addends with addition and minuend, difference with subtraction. identify the symbols related to addition and subtraction. compute the sum of 2 – digit number by expanding and adding. arrange 3 digit numbers in vertical columns as per their places. recognize 0 as additive identity element understand the order property of addition. develop problem solving attitude.

Home Work / Assignments

- Problems from Math Magic.

AND PROGRESSMONTH : JULYCLASS : III

<u>TEACHER'S ACTIVITY</u>	<u>STUDENT'S ACTIVITY</u>	<u>TEACHER'S OBSERVATION & REMEDIAL</u>
Teacher will demonstrate the algorithm to help in recalling the method. prepare a vocabulary chart depicting different key words relating to addition and subtraction. take up different examples and relate the terminologies with addition and subtraction. apply the concept of expanding numbers to compute the sum of any 2 – digit numbers. demonstrate the algorithm adding 3 –digit numbers vertically with and without regrouping. (ANNEXURE 3) explain the role of 0 and 1 in addition and subtraction and conduct an activity to prove order property of addition through a hands on experience using different colored bindis. show puzzles given in NCERT book.	Students will apply and solve the problems given in textbook Pg no- 29 & 31. write down the key words in their notebook and apply them in solving exercises given on Pg – 30 & 31. extrapolate the words/terms related to addition and subtraction. solve the questions given in NCERT book Pg – 33 to 35 in their notebook. compute the sum by adding 3- digit numbers with and without regrouping and solve question given on Pg – 41 & 42 in the notebook. (ANNEXURE 3) assimilate the role of 0 & 1 and perform the activity to have a better understanding and complete NCERT Book Pg - 45 given in textbook. solve the puzzles enthusiastically to assimilate the concept given on Pg – 42 & 43.	Teacher will write his/her observations after the completion of the topic/s.

Teaching aids – Different colored bindis , Smart board, Internet, Textbook- Math Magic.

Methodology– Deductive Method, Peer learning, learning by doing(activity method)and Digital Technology.

Interdisciplinary Links – Developing listening and speaking skill during class activities, Application of addition and subtraction in daily life.

Coordinator

HOD

Headmistress

Principal

ANNEXURE 3**GIVE AND TAKE**

SUBJECT	MATHEMATICS
CLASS	III
CHAPTER/UNIT	GIVE AND TAKE
TOPIC	ORDER PROPERTY OF ADDITION
TIME	20 MINUTES
NATURE OF ACTIVITY	INDIVIDUAL

What will I learn(Learning Outcome)?

The students will be able to verify the order property of addition through learning by doing.

Skills: Understanding, Applying, Evaluating.

What I have to do?

To prove order property of addition.

What do I require?

Pack of bindis of two different colors(say maroon and black) , pencil and eraser.

What I need to know?

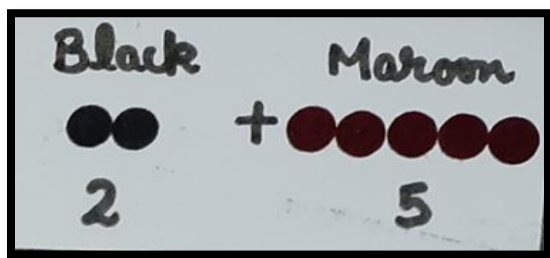
Simple addition

➤ **Teacher's Activity :**

The teacher will quickly recall simple addition of numbers , introduce the order property of addition to the students and then prove the property through learning by doing.

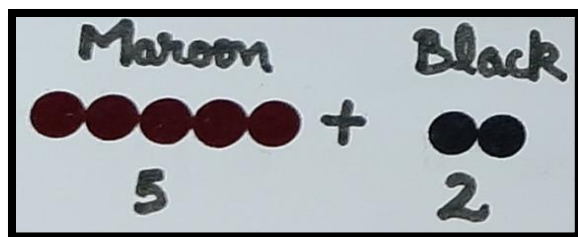
How will I proceed ?➤ **Student's Activity :**

- 1) Take 2 black bindis and 5 maroon bindis to represent number 2 and 5 and paste on your A4 size sheet.
- 2) Paste two black bindis and five maroon bindis, in such a way that there is no space between them, to represent the sum $2 + 5$ as shown in Fig.1



(Fig .1)

3) Similarly, paste five maroon bindis and two black bindis to represent the sum $5 + 2$ as shown in Fig.2.



(Fig . 2)

What have I observed?

Order of addends in Fig . 1 = _____ + _____

Order of addends in Fig. 2 = _____ + _____

Sum obtained in Fig. 1 = _____

Sum obtained in Fig. 2 = _____

Is the sum same in both the cases ? _____

What have I learnt ?

The sum of the numbers remain the same, even if the order of the addends change.

What am I curious to know?

Does order property holds true when applied with subtraction operation gives the same difference?

Let me evaluate myself

Q1) Use the order property of addition to match the following .

A

(i) $2 + 7 = 9$

(ii) $9 + 11 = 20$

(iii) $6 + 12 = 18$

(iv) $5 + 6 = 11$

(v) $4 + 10 = 14$

B

(a) $11 + 9 = 20$

(b) $10 + 4 = 14$

(c) $7 + 2 = 9$

(d) $12 + 6 = 18$

(e) $6 + 5 = 11$

Q2) Color clouds of column B matching the clouds of Column A using order property of addition.

Column A

$15 + 18$

$85 + 34$

$23 + 56$

$20 + 99$

$19 + 71$

$25 + 45$

Column B

$56 + 23$

$99 + 20$

$45 + 25$

$71 + 19$

$34 + 85$

$18 + 15$