Worksheet: - 9 Subject: - Mathematics Name:-____ Class & Sec.:-___

Roll No.:-

Class:-VI

Teacher:-Mrs. Poonam Sunil
Date:-17/4/2021

Page 31)

Good Morning Students!

Today we are going to discuss Properties of Whole Numbers. These properties help us to understand the numbers better. (Note down neatly)

Topic: Properties of Whole Numbers

a) Closure property: 7+8=15, a whole number

5+5=10, a whole number

0+15=15, a whole number

.....+=....

We say that sum of any two whole numbers is a whole number. This property is known as the closure property for addition of whole numbers. Similar

7x8=56, a whole number

5x5=25, a whole number

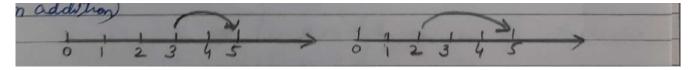
0x15=0 a whole number

.....=....

We say that the system of whole number is closed under multiplication.

Closure property:-Whole numbers are closed under addition and also under multiplication.

2) Commutativity of Addition and Multiplication (In Addition)



In both the cases we reach 5. So 3+2 is same as 2+3 Similarly 5+3 same as 3+5

We say that addition to Commutative for whole numbers, This property is known as commutativity for addition.

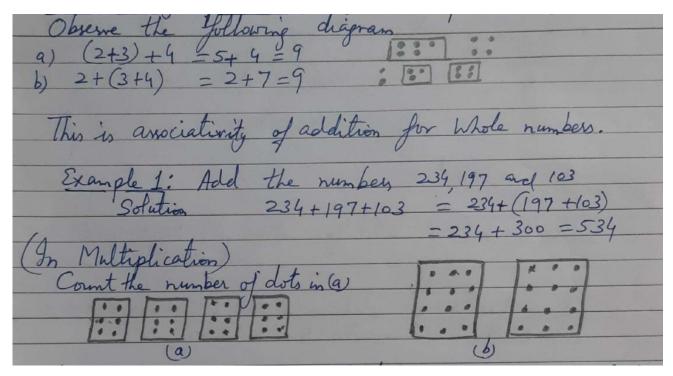
In Multiplication Multiply numbers 4 and 5 in different ways

4x5 = 5x4 We can multiply the whole number in any order.

We say multiplication is commutative for whole numbers.

This addition and multiplication are commutative for whole numbers

3) Associativity of Addition and Multiplication (In Addition)



In Fig a) Total number of dots = (2x 3) x 4 = 6x4 = 24

In Fig b each box has 3×4 dots, so in all there are 2x(3x4) = 2x12 = 24 dots This is associative property for multiplication of whole numbers

Example 2: Find 14+17+6 in two ways.

Next time we will discuss distributive property of Multiplication over addition

Good Bye Students [Stay safe)