

FLORENCE INTERNATIONAL SCHOOL CLASS-VII WORKSHEET NO: 3 MATHS (TOPIC: INTEGERS)

NAME-.....

DATE-01/04/2020

This chapter is mainly about representation of integers on the number line and their addition, subtraction, multiplication and division.

Numbers

We use numbers to count anything. So, what are various types of numbers?

1. Natural numbers

Natural numbers are counting numbers but these set of numbers do not include zero. This is because you cannot count zero. So numbers, 1,2,3,4,5,6.....etc are all natural numbers

Whole numbers 2.

All natural numbers along with zero are called whole number. For example 0, 1, 2, 3, 4, 5, 6.....etc are all whole numbers.

NOTE:- Thes types of numbers do not include fractions.

From the definition of natural numbers we can conclude that every natural or counting number is a whole number.

Integers

Integers include all natural numbers, zero and negative numbers for example,

-4, -3, -2, -1, 0, 1, 2, 3, etc are all integers.

So now we have,

- a) Positive integers: 1, 2, 3,
- b) Negative integers:- -1, -2, -3,
- c) 0 (zero):- which is an integer that is neither negative nor positive.

Note:- Integers like whole numbers do not include fractions for example 3.5, $\frac{1}{2}$ etc. In previous class you have learned about addition and subtraction of integers and Sarning Illuminat properties related to them. Let's recap it:

Q1. Fill in the blanks:

- a) Integers contain whole numbers and _____numbers.
- b) The greatest negative integer is ______
- c) The successor of -99 is_____.
- d) 0 is greater than every ____ integer.
- e) The sign of the product of 8 negative integers and one positive integer is

Q2. State True and False

- a) The smallest positive integer is 1.
- b) The identity element for addition in integers is 1.
- c) $(-1)^{103} + (-1)^{104} = 0$
- d) The sum of two negative integers is less than either of the addends.
- e) a b = b a

Q3. Find the sum:

1. 82+(-47)=	2. 89+95=	373+61=
429+(-44)=	5. 31+63=	6. 82+(-26)=
7. 34+25=	8. 24+68=	974+(-51)=

Q4. Find the additive inverse of:				
183=	2. 22=	3. 0=		
43002=	5. +33=	674=		

