

CLASS NOTES

INTRODUCTION

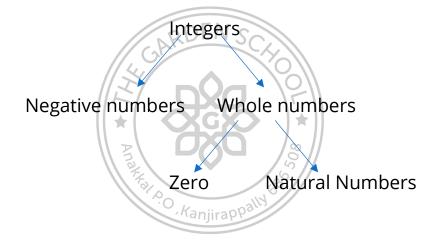
Integers

The set of integers, usually represented by Z, contains zero, negative numbers and positive numbers. That is,

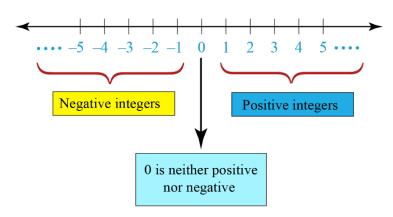
Integers = Whole numbers + negative numbers

$$Z = \{...-3, -2, -1, 0, 1, 2, 3...\}$$

Remember, integers do not include decimals or fractions.



Integers on a Number Line



Chapter 1: Integers, Class 1

Rules of Integers

Adding Positive and Negative Integers			
Integer Sign	Operation	Answer Sign	Example
++	Add	+	2 + 5 = 7
0+0	Add	0	- 2 + (- 5) = - 2 - 5 = - 7
+ + -	Subtract	Larger Integer's Sign	2 + (- 5) = 2 - 5 = - 3
0+0	Subtract	Larger Integer's Sign	- 2 + 5 = 3
Subtractir	ng Positive a	and Negative	e Integers
Subtractir Integer Sign	ng Positive a	and Negative	e Integers Example
	Operation	Answer Sign	Example 2 - 5
	Operation Subtract	Answer Sign Larger Integer's Sign	Example 2 - 5 = - 3 - 2 - (- 5) = - 2 + 5