

PROJECT - 1

PRELIMINATION INFORMATION

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Name of the student : A. Harshitha

class : VIIth

Section : A15

Roll No : 20

Medium : English

Subject : MATHS

Name of the lesson : INTEGERS

Number of the project : 1

Allotment of work : Individual

DETAIL INFORMATION OF THE PROJECT

① TITLE OF THE PROJECT :-

Addition and subtraction of integers represent on the number line.

② Objectives of the project :-

- (i) Represent addition of integers on the number line.
- (ii) Represent subtraction of integers on the number line.

③ Material used :- Scale, stickers, sketches, pen

④ procedure :-

(i) Introduction :-

First I collected integers using in our daily life situations and now I want to representation of addition and subtractions of integers on number line.

(ii) Process :- Initially I observe the pattern of addition and subtraction of Integers.

$$5 + 2 = 7$$

$$6 - 2 = 4$$

$$5 + 1 = 6$$

$$6 - 1 = 5$$

$$5 + 0 = 5$$

$$6 - 0 = 6$$

$$5 + (-1) = 4$$

$$6 - (-1) = 7$$

$$5 + (-2) = 3$$

$$6 - (-2) = 8$$

$$5 + (-3) = 2$$

$$6 - (-3) = 9$$

$$5 + (-4) = 1$$

From the above the pattern I can understand how to represent addition and subtraction of Integers on number line.

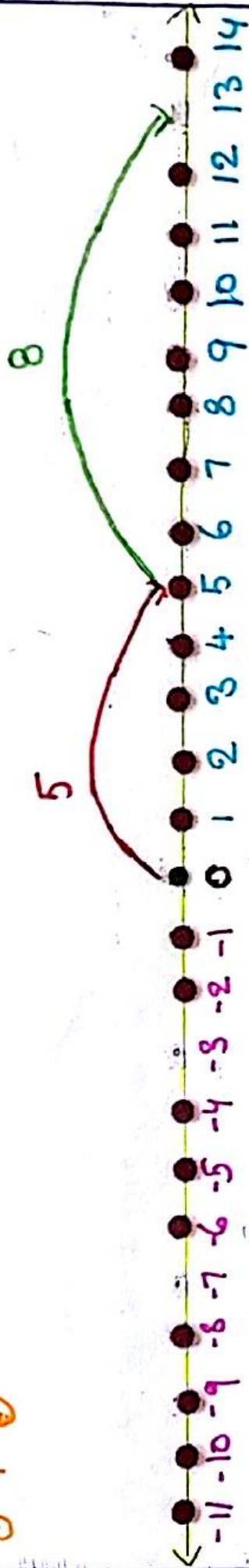
(5) Analysis :-

(i) We can show every integer on number line.

(ii) We can represent addition and subtraction of integers on number line.

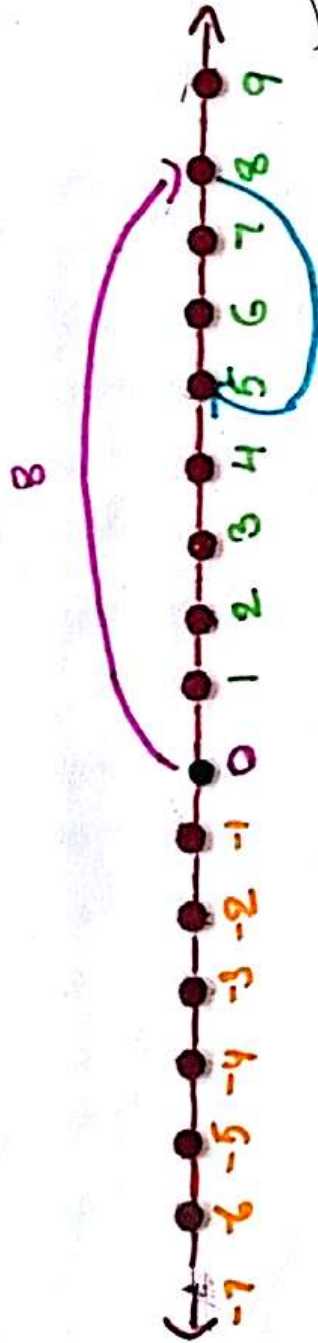


$$5 + 8$$



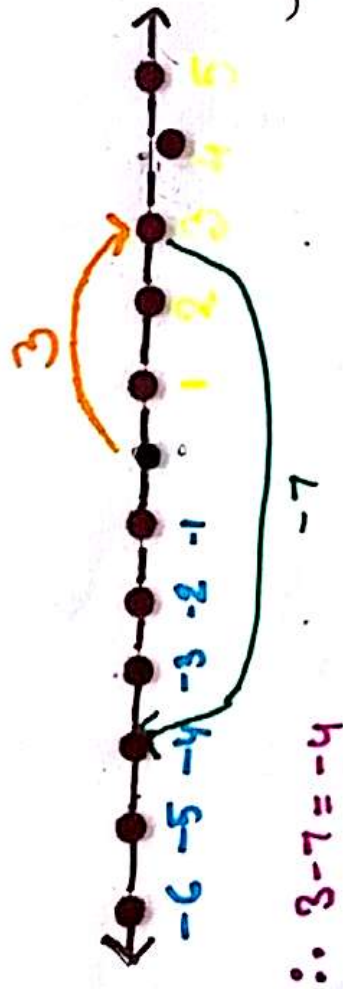
$$\therefore 5 + 8 = 13$$

$$\textcircled{2} \quad 8 + (-3)$$



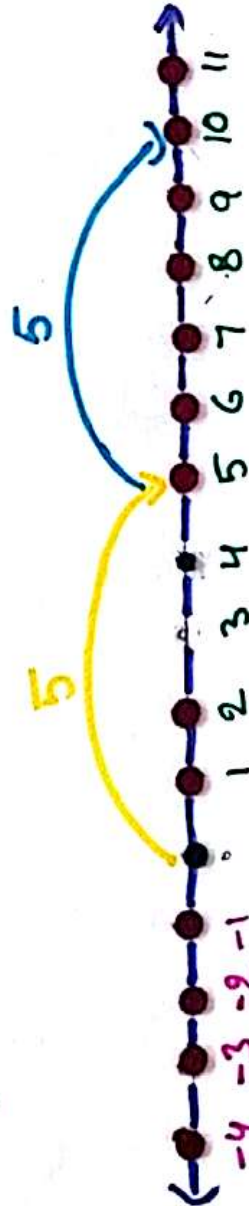
$$\therefore 8 + (-3) = 5$$

① $3 - 7$



$\therefore 3 - 7 = -4$

② $5 - (-5)$



$\therefore 5 - (-5) = 10$

conclusion :-

- From the above activity we conclude that
- (i) when we added positive Integers we move right on the number line.
 - (ii) when we added negative Integers we move left on the number line.
 - (iii) when we subtract positive Integers we move left on the number line.
 - (iv) when we subtract negative Integers we move right on the number line.

Experience of the students :-

I enjoy while I represent addition & subtraction of integers on number line.



⑦ Doubts and questions :-

① can we represent addition & subtraction of big numbers like 1000, 10,000 etc. on a number line?

⑧ A knowledge :- I convey my sincere thanks to my MATHS teacher for cooperating me.

⑨ Reference Books :- 7th Maths text book

⑩ signature of the student :-

y. A. Harshitha

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