

**Activity #1: By keeping in mind the integers, Choose the one option for each given situation**

(i) Going 15<sup>th</sup> floors above the ground.

+15

/

-15

(ii) Moving 30 m below sea level.

+30

/

-30

(iii) Withdrawing \$65 from a bank.

+65

/

-65

(iv) Going 2 floors above the ground.

+2

/

-2

(v) Flying 35 km above the sea level.

+35

/

-35

**Activity #2: Choose the best option.**

**a)** No. of positive integers are there in between  $-5$  and  $5$ .

a) 11

b) 5

c) 4

d) 9

**b)** What is the smallest negative number?

a)  $-1$ b)  $-5$ c)  $-10$ 

d) Does not exist

**c)** Which of the following shows the maximum fall in temperature?

a)  $5^{\circ}\text{C}$  to  $10^{\circ}\text{C}$ b)  $10^{\circ}\text{C}$  to  $7^{\circ}\text{C}$ c)  $5^{\circ}\text{C}$  to  $-5^{\circ}\text{C}$ 

d) None of these

**d)** The integer which is 15 units to the left of zero on the number line is equal to:

a) 15

b)  $-15$ 

c) 20

d) None of these

**e)** The set of whole numbers and opposite of counting numbers is called :

a) Natural Number

b) Whole Number

c) Integers

d) None of these

**f)** The number which is neither positive nor negative is :

a) 1

b) 2

c) 3

d) 0

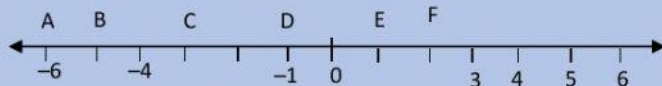
**g)** Opposite of rise in temperature by  $10^{\circ}\text{C}$ .

a)  $10^{\circ}\text{C}$ b)  $-10^{\circ}\text{C}$ c) Fall in temperature by  $10^{\circ}\text{C}$ .

d) Both (b) &amp; (c)

**Activity #3: Write the number that is at each lettered point on the number line given at right also answer the questions mentioned at the end .**

(i) A \_\_\_\_\_ (ii) B \_\_\_\_\_



(iii) C \_\_\_\_\_ (iv) D \_\_\_\_\_ (v) E \_\_\_\_\_ (vi) F \_\_\_\_\_

(vii) Write the least positive number : \_\_\_\_\_

(viii) Which Integer is three steps away from zero on right side? \_\_\_\_\_

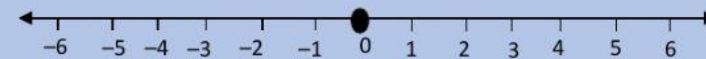
(ix) The **predecessor** of 0 is \_\_\_\_\_

**Activity #4: Match the expression to its correct representation.**

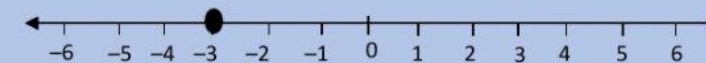
Integers  $> -4$  but  $< -2$ .



Integers between  $-5$  and  $2$ .



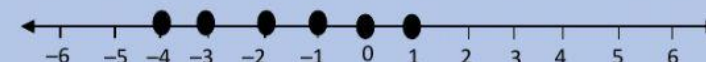
Integer(s) between  $-1$  and  $+1$ .



Integers from  $-5$  to  $2$



Integers between  $-2$  to  $2$



Name: \_\_\_\_\_

Roll No: \_\_\_\_\_

Topic: Understanding Integers

Activity #5: Look at the addition and subtraction sentences given below. Pick a sentence and place before it's correct representation on number line.

$-1+(-4)$

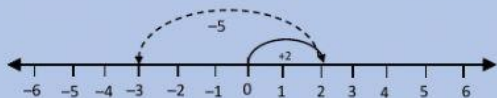
$-3-4$

$+2-5$

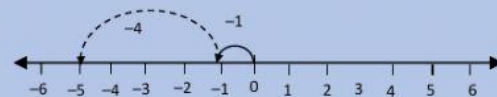
$-6+8$

$-6-8$

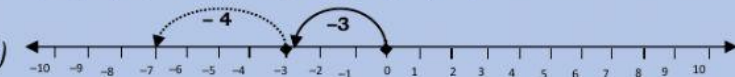
(i)



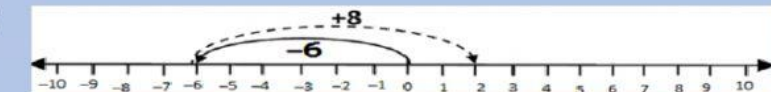
(ii)



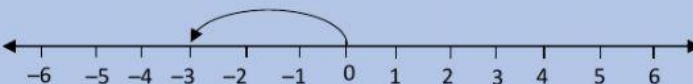
(iii)



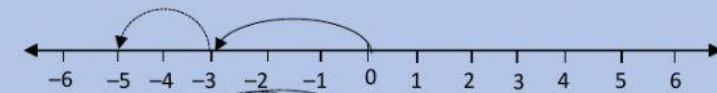
(iv)



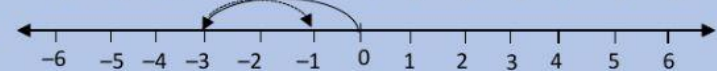
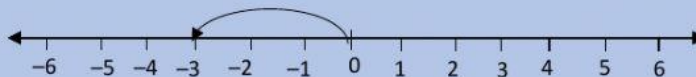
Activity #6: Complete the number line representation of addition & subtraction sentences by choosing the correct representation of second arc.

(i)  $-3+2$ , Step 1 :

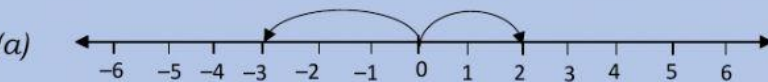
(a)



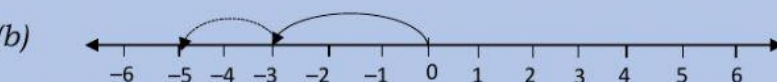
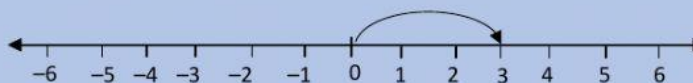
(b)

(ii)  $-3-2$ , Step 1 :

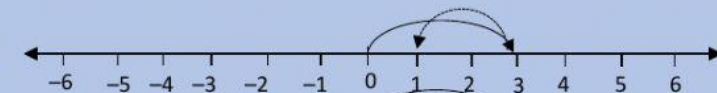
(a)



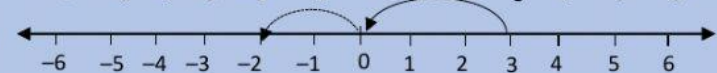
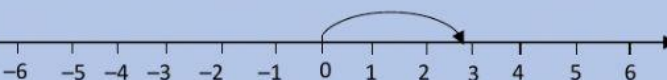
(b)

(iii)  $3-2$ , Step 1 :

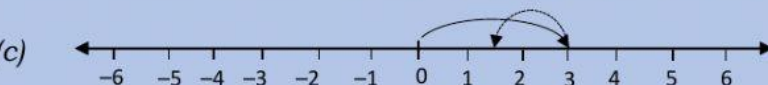
(a)



(b)

(iv)  $3+2$ , Step 1 :

(c)



(d)

