

## EXERCISE 6.2

### SECTION A. CLASS RESPONSE

11-6-20 *cls*

I. Which of the following are True (T) and which are False (F)?

1. The sum of two negative integers is always a negative integer. *True*
2. The difference of two positive integers is always a positive integer. *False*
3.  $|9| > |-9|$  *False*
4. The sum of a number and its additive inverse is zero. *True*
5.  $|7-2| = |7| + |-2|$  *False*

II. Fill in the blanks:

1. The successor of  $-1$  is 0  $(-1) + 1 = 0$
2.  $-1$  is the predecessor of 0.  $0 - 1 = -1$
3. If the additive inverse of a number  $x$  is 4, then  $x =$   $-4$  [ $\because (-4) + 4 = 0$ ]
4.  $-17$  is the successor of  $-18$ .  $-18 + 1 = -17$
5. The predecessor of  $-21$  is  $-22$   $-21 - 1 = -22$

### SECTION B. CLASS / HOME ASSIGNMENTS

Class: 6<sup>th</sup> Teacher: Ms. Mandap Sub: Maths

Date: 11/6/20 Chapter - 6 (Integers)

Topic: Addition of integers.

a) Addition with same sign:

(i)  $43 + 72 = 115$

$$\begin{array}{r} 43 \\ + 72 \\ \hline 115 \end{array}$$

(ii)  $(-43) + (-72) = -115$

$$\begin{array}{r} 43 \\ + 72 \\ \hline 115 \end{array}$$

b) Add: with different sign:

(i)  $(-43) + 72 = 29$

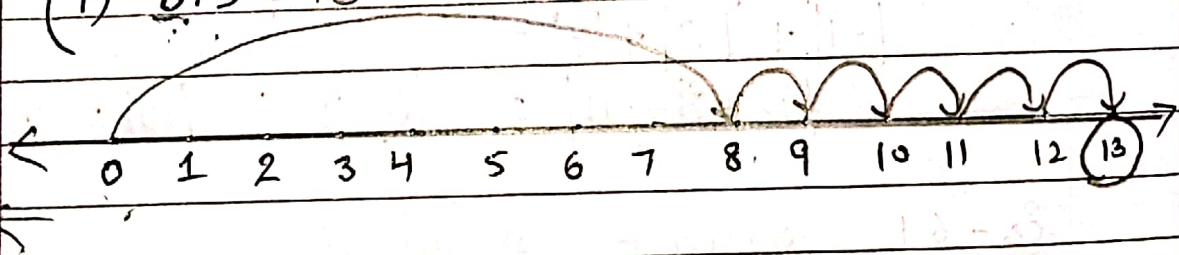
$$\begin{array}{r} 72 \\ - 43 \\ \hline 29 \end{array}$$

(ii)  $43 + (-72) = -29$

$$\begin{array}{r} 72 \\ - 43 \\ \hline 29 \end{array}$$

c) Addition on number line:

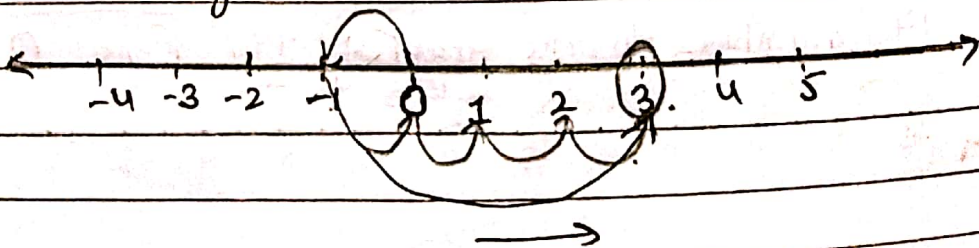
(i)  $8 + 5 = 13$



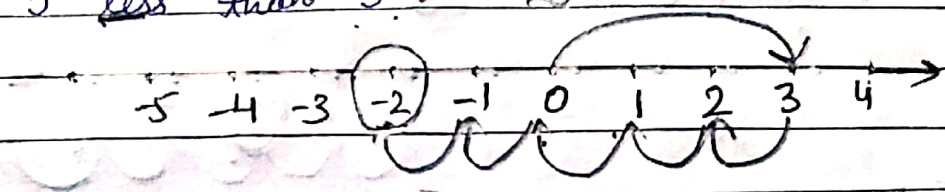
✓ Ex-6.2 Section - B Model I

Part 1: Using number line, write the integer which is:

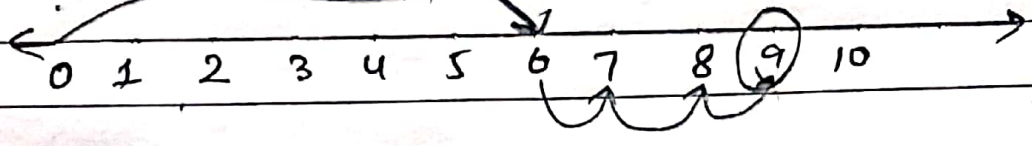
a) 4 more than  $(-1) = 3$   
right side



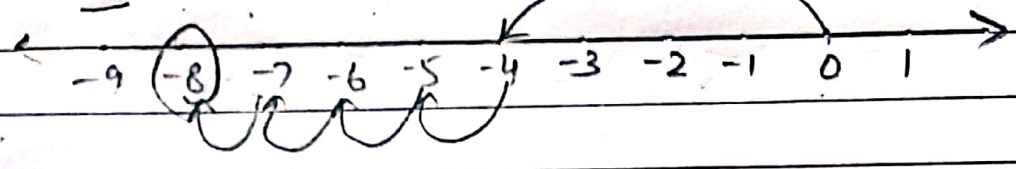
b) 5 <sup>left</sup> less than 3 = -2



c) 3 more than -6 = 9



d) 4 less than -4 = -8



HW

e) 9 more than -5

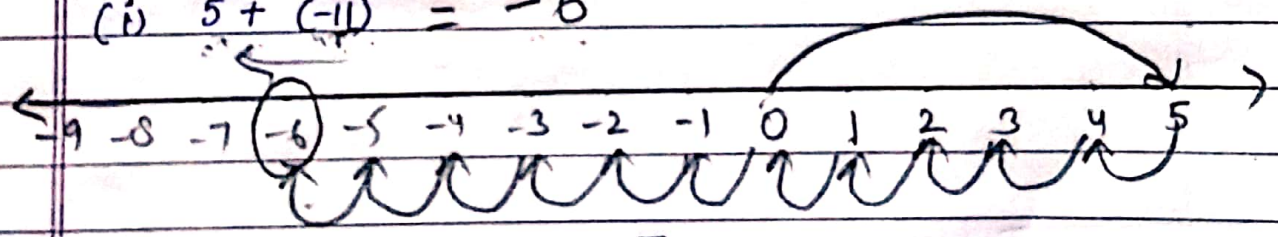
f) 4 less than 8

g) 2 less than -2

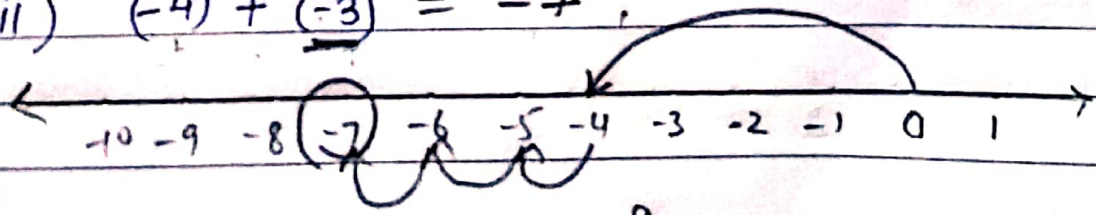
h) 11 more than 6

Part 2: Use number line and add the following integers.

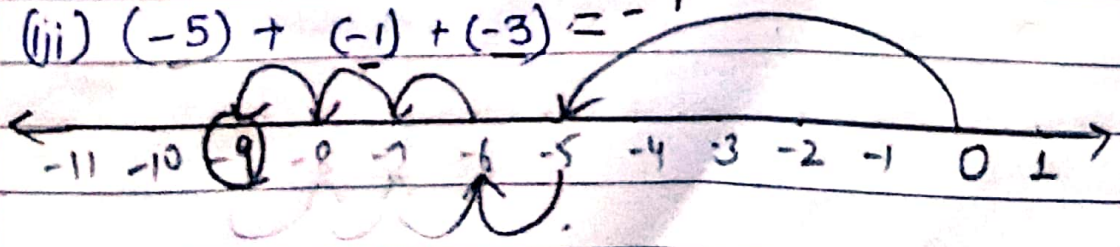
(i)  $5 + (-11) = -6$



(ii)  $(-4) + (-3) = -7$

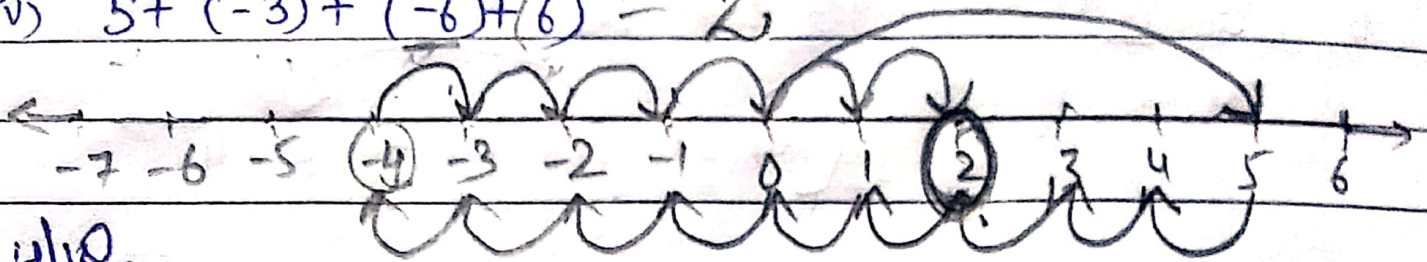


(iii)  $(-5) + (-1) + (-3) = -9$





$$(iv) 5 + (-3) + (-6) + 6 = 2$$



H/W.

$$(v) (-2) + (-5)$$

$$(vi) (-8) + 12 + (-4)$$

$$(vii) (-2) + 3$$

$$(viii) (-1) + (-3) + 4 + (-2)$$