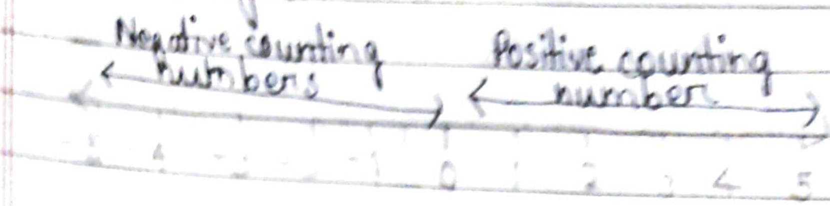
CW
10/5/21

Ch-6- Negative numbers and integers: counting

Negative and positive numbers including zero ~~is~~ are called integers.



1) 0 is neither positive nor negative but an integer. It is a whole number not a natural number.

Exercise-6

1) i) Negative of -20 is $\underline{-(-20)=20}$.

ii) Negative of 0 is $\underline{0}$.

iii) Negative of 8 is $\underline{-8}$.

iv) If 10 represents gain of ₹ 10, the -10 represents $\underline{\text{loss of ₹ 10}}$.

v) If going south is negative the going north is $\underline{\text{positive}}$.

vi) Because $5<7$, therefore $-5 \underline{>} -7$.

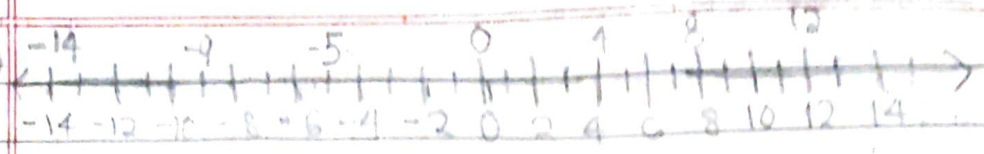
vii) If $3>-2$ then 3 is on the $\underline{\text{right}}$ of -2.

viii) If $-8<-6$ then -8 is on the $\underline{\text{left}}$ of -6.

2) i) $-5, 8, 0, -9, 4, -14$ and 12

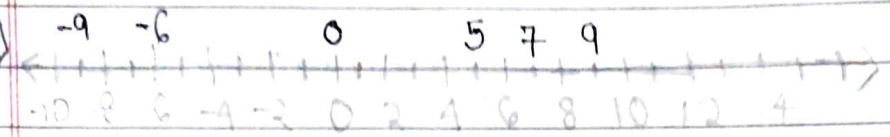
ii) $-6, 7, 0, -9, 5$ and 9

2) i)



Hence, the given integers in ascending order are:
$-14 < -9 < -5 < 0 < 4 < 8 < 12$

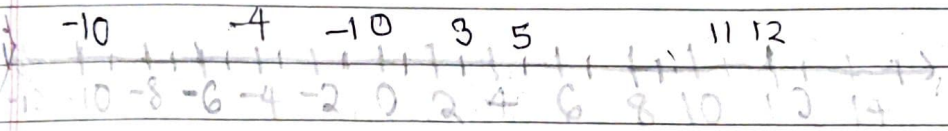
ii)



Hence, the given integers in ascending orders are:
$-9 < -6 < 0 < 5 < 7 < 9$

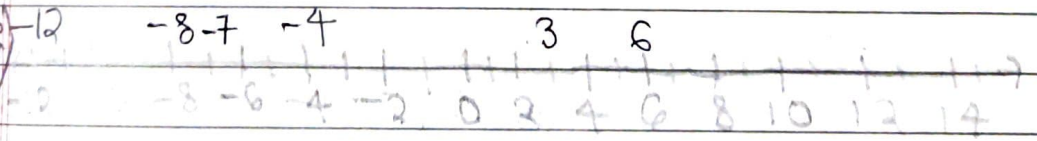
3) i) $-10, 0, 3, -4, 12, 11, -1$ and 5
ii) $4, 3, -8, -12, -7$ and 6

3) i)



Hence, the given integers in descending order are:
$12 > 11 > 5 > 3 > 0 > -1 > -4 > -10$

ii)



Hence, the given integers in descendig order are:
$6 > 3 > -4 > -7 > -8 > -12$