Negative Numbers and Integers Ex 5.1 Q5

Answer :

(i) Every positive integer is greater than every negative integer; therefore, $3 > -4$.
(ii) Because -12 is to the left of -8 on a number line, $-8 > -12$.
(iii) Every positive integer is greater than zero; therefore, $7 > 0$.
(iv) Every positive integer is greater than every negative integer; therefore, $12 > -18$.

Negative Numbers and Integers Ex 5.1 Q6

Answer :

(i) There are nine integers in between -7 and 3, namely, -6, -5, -4, -3, -2, -1, 0, 1 and 2.
(ii) There are three integers in between -2 and 2, namely, -1, 0 and 1.
(iii) There are three integers in between -4 and 0, namely, -3, -2 and -1.
(iv) There are two integers in between 0 and 3, namely, 1 and 2.

Negative Numbers and Integers Ex 5.1 Q7

Answer :

(i) There are six integers in between -4 and 3, namely, -3, -2, -1, 0, 1 and 2.
(ii) There are six integers in between 5 and 12, namely, 6, 7, 8, 9, 10 and 11.
(iii) There are six integers in between -9 and -2, namely, -8, -7, -6, -5, -4 and -3.
(iv) There are four integers in between 0 and 5, namely, 1, 2, 3 and 4.

Negative Numbers and Integers Ex 5.1 Q8

Answer :

In the given pairs of numbers, the numbers that are to the left of the other numbers on a number line are smaller.

(i) $2 < 5$
(ii) $0 < 3$
(iii) $0 > -7$
(iv) $-18 < 15$
(v) $-235 > -532$
(vi) $-20 < 20$

********** END **********