Decimals Ex 7.2 Q5

Answer :

(i) 3.8

$= 3 + 8$ tenths

$= 3 + \frac{8}{10}$

$= \frac{3\times10}{10} + \frac{8}{10} = \frac{30}{10} + \frac{8}{10} = \frac{38}{10} = \frac{19}{5}$

(ii) 21.2

$= 21 + 2$ tenths

$= 21 + \frac{2}{10} = \frac{21\times10}{10} + \frac{2}{10} = \frac{210}{10} + \frac{2}{10} = \frac{212}{10} = \frac{106}{5}$

(iii) 6.4

$= 6 + 4$ tenths

$= 6 + \frac{4}{10}$

$= \frac{6\times10}{10} + \frac{4}{10} = \frac{60}{10} + \frac{4}{10} = \frac{64}{10} = \frac{32}{5}$

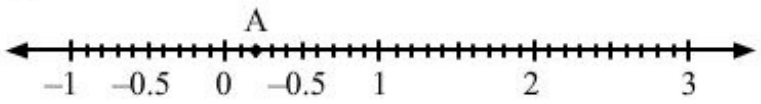
(iv) 1.0

Since the only number after the decimal is 0, the fraction is 1.

Decimals Ex 7.2 Q6

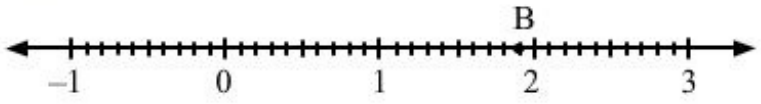
Answer :

(i)



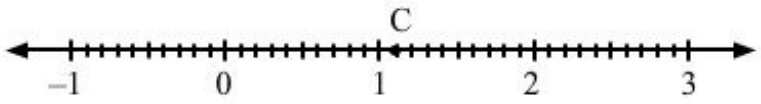
A = 0.2

(ii)



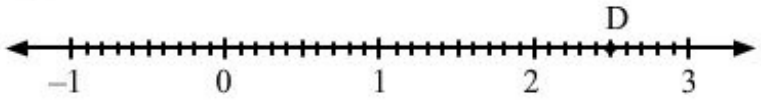
B = 1.9

(iii)



C = 1.1

(iv)



D = 2.5

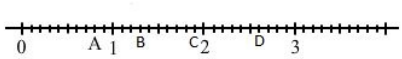
Decimals Ex 7.2 Q7

Answer :

(i) 0.8 is between the two whole numbers 0 and 1.
As 0.8 is 8 units from 0 and 2 units from 1, it is nearer to 1.
(ii) 5.1 is between the two whole number 5 and 6.
As 5.1 is 1 unit from 5 and 9 units from 6, it is nearer to 5.
(iii) 2.6 is between 2 and 3.
As 2.6 is 6 units from 2 and 4 units from 3, it is nearer to 3.
(iv) 6.4 is between 6 and 7.
As 6.4 is 4 units from 6 and 6 units from 7, it is nearer to 6.
(v) 9.0 is itself a whole number, that is, 9.
(vi) 4.9 is between 4 and 5.
As 4.9 is 9 units from 4 and 1 unit from 5, it is nearer to 5.

Decimals Ex 7.2 Q8

Answer :



A) 0.8, since A is at the eighth place between 0 and 1

B) 1.3, since B is at the third place between 1 and 2

C) 1.9, since C is at the ninth place between 1 and 2

D) 2.6, since D is at the sixth place between 2 and 3

Disclaimer: The image given in the book is not consistent, as the number of periods between 0 and 1 is ten but the number of periods between 1 and 2 is seven. So, ignoring the position of the given numbers 1 , 2 and 3, it has been assumed that there are ten periods between every two consecutive numbers starting from the first point taken as zero.

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