Rational Numbers Ex 1.8 Q2

Answer :

We can write :

$2 = \frac{2}{1} = \frac{2\times5}{1\times5} = \frac{10}{5}$

Integers less than 10 are 0, 1, 2, 3, 4, 5 ... 9.

Hence, five rational numbers less than 2 are $\frac{0}{5}, \frac{1}{5}, \frac{2}{5}, \frac{3}{5}$ and $\frac{4}{5}$.

Rational Numbers Ex 1.8 Q3

Answer :

Since both the fractions $\left(\frac{-2}{9}$ *and* $\frac{5}{9}\right)$ *have the same denominator, the integers between the numerators* $\left(-2$ *and* $5\right)$ *are* $-1, 0, 1, 2, 3, 4.$

Hence, two rational numbers between $\frac{-2}{9}$ *and* $\frac{5}{9}$ *are* $\frac{0}{9}$ *or* 0 *and* $\frac{1}{9}$.

Rational Numbers Ex 1.8 Q4

Answer :

$Rational\ number\ between\ \frac{1}{5}\ and\ \frac{1}{2} = \frac{\left(\frac{1}{5}+\frac{1}{2}\right)}{2} = \frac{\frac{2+5}{10}}{2} = \frac{7}{20}$

$Rational\ number\ between\ \frac{1}{5}\ and\ \frac{7}{20} = \frac{\left(\frac{1}{5}+\frac{7}{20}\right)}{2} = \frac{\frac{4+7}{20}}{2} = \frac{11}{40}$

Therefore, two rational numbers between $\frac{1}{5}$ and $\frac{1}{2}$ are $\frac{7}{20}$ and $\frac{11}{40}$.

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