Rational Numbers Ex 1.3 Q3

Answer :

It is given that *the* sum of two numbers is $\frac{5}{9}$, where one of the number *s* is $\frac{1}{3}$.
Let the other number be x.

$\therefore\ x+\frac{1}{3}=\frac{5}{9}$

$\Rightarrow\ x=\frac{5}{9}-\frac{1}{3}$

$\Rightarrow x=\frac{5}{9}-\frac{3}{9}$

$\Rightarrow\ x=\frac{5-3}{9}$

$\Rightarrow\ x=\frac{2}{9}$

Rational Numbers Ex 1.3 Q4

Answer :

It is given that *the* sum of two numbers is $\frac{-1}{3}$, where one of the number *s* is $\frac{-12}{3}$.
Let the other number *be* x.

$\therefore\ x+\frac{-12}{3}=\frac{-1}{3}$

$\Rightarrow\ x=\frac{-1}{3}-\frac{-12}{3}$

$\Rightarrow\ x=\frac{-1-(-12)}{3}=\frac{-1+12}{3}=\frac{11}{3}$

Rational Numbers Ex 1.3 Q5

Answer :

It is given that the sum of two numbers is $\frac{-4}{3}$, where one of the number *s* is -5.
Let the other number be x.

$\therefore\ x+\left(-5\right)=\frac{-4}{3}$

$\Rightarrow\ x=\frac{-4}{3}-\left(\frac{-5}{1}\right)$

$\Rightarrow\ x=\frac{-4}{3}-\frac{-15}{3}$

$\Rightarrow x=\frac{-4-(-15)}{3}$

$\Rightarrow x=\frac{-4+15}{3}=\frac{11}{3}$

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