

Rational Numbers Ex 1.3 Q3

Answer:

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

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

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

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

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

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

Rational Numbers Ex 1.3 Q4

It is given that the sum of two numbers is $\frac{-1}{3}$, where one of the numbers is

Let the other number be x.

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

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

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

Rational Numbers Ex 1.3 Q5

Answer:

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

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

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

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

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

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

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