Exercise 1C

Q9

Answer :

Let the other number be x.

Now,

$$\Rightarrow x + \frac{-14}{5} = -2$$

$$\Rightarrow x - \frac{14}{5} = -2$$

$$\Rightarrow x = -2 + \frac{14}{5}$$

$$\Rightarrow x = \frac{(-2)\times 5 + 14}{5}$$

$$\Rightarrow x = \frac{-10+14}{5}$$

$$\Rightarrow x = \frac{4}{5}$$

Q10

Answer :

Let the other number be x.
Now,

$$x + \frac{5}{6} = \frac{-1}{2}$$
$$\Rightarrow x = -\frac{1}{2} - \frac{5}{6}$$
$$\Rightarrow x = \frac{-3-5}{6}$$
$$\Rightarrow x = \frac{-8}{6}$$
$$\Rightarrow x = \frac{-4}{3}$$

Q11

Answer :

Let the required number be *x*.

Now,

$$\frac{-5}{8} + x = \frac{-3}{2}$$

$\Rightarrow \frac{-5}{8} + x + \frac{5}{8} = \frac{-3}{2} + \frac{5}{8}$ (Adding $\frac{5}{8}$ to both the sides)

$$\Rightarrow x = \left(\frac{-3}{2} + \frac{5}{8}\right)$$
$$\Rightarrow x = \left(\frac{-12}{8} + \frac{5}{8}\right)$$
$$\Rightarrow x = \left(\frac{-12+5}{8}\right)$$
$$\Rightarrow x = \frac{-7}{8}$$

Hence, the required number is $\frac{-7}{8}$.

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