Rational Numbers Ex 1.7 Q5

Answer :

Let the number *be* x.

$\therefore \mathrm{x} \times \frac{-1}{6} = \frac{-23}{9}$

$\mathrm{x} = \frac{-23}{9} \div \frac{-1}{6}$

$\mathrm{x} = \frac{-23}{9} \times \frac{6}{-1} = \frac{46}{3}$

Therefore, the other number is $\frac{46}{3}$.

Rational Numbers Ex 1.7 Q6

Answer :

Let the other number *be* x.

$\therefore \mathrm{x} \times \frac{-15}{28} = \frac{-5}{7}$

$\text{or } \mathrm{x} = \frac{-5}{7} \div \frac{-15}{28}$

$\text{or } \mathrm{x} = \frac{-5}{7} \times \frac{28}{-15}$

$\text{or } \mathrm{x} = \frac{4}{3}$

Thus, the other number is $\frac{4}{3}$.

Rational Numbers Ex 1.7 Q7

Answer :

Let the number *be* x.

$\therefore \mathrm{x} \times \frac{-8}{13} = 24$

or $\mathrm{x} = 24 \div \frac{-8}{13}$

or $\mathrm{x} = 24 \times \frac{13}{-8}$

or $x = -39$

Thus, the number is -39.

Rational Numbers Ex 1.7 Q8

Answer :

Let the other number that should be multiplied with $\frac{-3}{4}$ to produce $\frac{2}{3}$ *be* x.

$\therefore \mathrm{x} \times \frac{-3}{4} = \frac{2}{3}$

or $\mathrm{x} = \frac{2}{3} \div \frac{-3}{4}$

or $\mathrm{x} = \frac{2}{3} \times \frac{4}{-3}$

or $x = \frac{-8}{9}$

Thus, the number is $\frac{-8}{9}$.

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