Exercise 1E

Q4

Answer :

Let the number be x.
Now,

$$x \times (-12) = -9$$

$$\Rightarrow x = -9 \div (-12)$$

$$\Rightarrow x = (-9) \times \frac{1}{-12}$$

$$\Rightarrow x = \frac{-9}{-12}$$

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

Q5

Answer :

Let the number be x.

Now,

$$x \times \frac{-4}{3} = \frac{-16}{9}$$

$$\Rightarrow x = \frac{-16}{9} \div \frac{-4}{3}$$

$$\Rightarrow x = \frac{-16}{9} \times \frac{3}{-4}$$

$$\Rightarrow x = \frac{-16 \times 3}{9 \times (-4)}$$

$$\Rightarrow x = \frac{48}{36}$$

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

Q6

Answer :

Let the number be x.

Now,

$$x \times \frac{-15}{50} = \frac{-5}{7}$$

$$\Rightarrow x = \frac{-5}{7} \div \frac{-15}{50}$$

$$\Rightarrow x = \frac{-5}{7} \times \frac{50}{-15}$$

$$\Rightarrow x = \frac{280}{105}$$

$$\Rightarrow x = \frac{280 \div 5}{105 \div 5}$$

$$\Rightarrow x = \frac{56}{21}$$

$$\Rightarrow x = \frac{56 \div 7}{21 \div 7}$$

$$\Rightarrow x = \frac{8}{3}$$

Q7

Answer :

Let the number be x.

Now,

$$x \times \frac{-8}{39} = \frac{1}{26}$$

$$\Rightarrow x = \frac{1}{26} \div \frac{-8}{39}$$

$$\Rightarrow x = \frac{1}{26} \times \frac{39}{-8}$$

$$\Rightarrow x = \frac{39}{-208}$$

$$\Rightarrow x = \frac{39 \times -1}{-208 \times -1}$$

$$\Rightarrow x = \frac{-39}{208}$$

$$\Rightarrow x = \frac{-39 \div 13}{208 \div 13}$$

$$\Rightarrow x = \frac{-3}{16}$$

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