Powers Ex 2.1 Q7

Answer :

Using the property $a^{-1} = 1/a$ for every natural number a, we have $(1/2)^{-1} = 2$ and $(-4/7)^{-1} = -7/4$. We have to find a number x such that

$2x = \frac{-7}{4}$

Dividing both sides by 2, we get:

$x = \frac{-7}{8}$

Hence, the required number is −7/8.

Powers Ex 2.1 Q8

Answer :

Using the property $a^{-1} = 1/a$ for every natural number a, we have $(-15)^{-1} = -1/15$ and $(-5)^{-1} = -1/5$. We have to find a number x such that

$\frac{\frac{-1}{15}}{\frac{x}{1}} = \frac{-1}{5}$

or $\frac{-1}{15} \times \frac{1}{x} = \frac{-1}{5}$

or $x = \frac{1}{3}$

Hence, $(-15)^{-1}$ should be divided by $\frac{1}{3}$ to obtain $(-5)^{-1}$.

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