



### 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

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

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

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

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

\*\*\*\*\* END \*\*\*\*\*