

1. Write the additive inverse of each of the following.

a. $\frac{8}{5}$ b. $\frac{-7}{9}$ c. $\frac{-2}{-11}$ d. $\frac{14}{-23}$

2. Find the multiplicative inverse of the following.

a. $\frac{13}{7}$ b. $\frac{3}{-8}$ c. $\frac{11}{5} \times \frac{10}{22}$ d. $\frac{-14}{-15}$

3. Write the reciprocal of following:

a. $\frac{-11}{-12}$ b. $\frac{2}{13} \times \frac{39}{8}$ c. $\frac{-4}{7}$ d. $\frac{21}{19}$

4. Multiple $\frac{6}{7}$ by reciprocal of $\frac{-12}{21}$.

5. Fill in the blanks.

(i) Zero has _____ reciprocal.

(ii) The numbers _____ and _____ are their own reciprocals

(iii) The reciprocal of – 5 is _____.

(iv) Reciprocal of $\frac{1}{x}$, where $x \neq 0$ is _____.

(v) The reciprocal of a positive rational number is _____.

1. Write any 3 rational numbers between –2 and 0.

2. Find any ten rational numbers between $\frac{-5}{6}$ and $\frac{5}{8}$.

3. Find a rational number between $\frac{1}{4}$ and $\frac{1}{2}$.

4. Find five rational numbers between $\frac{2}{3}$ and $\frac{4}{5}$

5. Write five rational numbers greater than –2.