

10.1 a rational no. that does not have a reciprocal is 0

(ii) rational nos that are equal to their reciprocals are ± 1

(iii) a rational no. that is equal to its negative — 0

11 (i) 0 has no reciprocal

(ii) The numbers 1 and -1 are their own reciprocals

(iii) The reciprocal of -5 is $-\frac{1}{5}$

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

(v) Product of two rational numbers is always a rational no.

(vi) The reciprocal of a positive rational no. is positive