

Reciprocal of a Number



We get the reciprocal of a fraction by interchanging the numerator and the denominator. The product of a fraction and its reciprocal is 1.

Let us understand with some examples:

Example: (i) Reciprocal of $\frac{3}{2}$ is $\frac{2}{3}$

(ii) Reciprocal of $\frac{1}{4}$ is 4



Properties of Reciprocal of Fractions

Property 1: Reciprocal of a proper fraction is an improper fraction.

Property 2: Reciprocal of a whole number is a proper fraction.

Property 3: Reciprocal of an improper fraction is a proper fraction.

Property 4: Reciprocal of a mixed fraction is a proper fraction.

Property 5: Reciprocal of 1 is 1.

Property 6: 0 does not have any reciprocal. (Because 0 is not a fraction)