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CLASS: VIII

SUB.: MATHS (NCERT BASED) RATIONAL NUMBERS (REVISION)

DATE: 25 -07-2020

V. short answer type questions: -

(i) The rational number that does not have a reciprocal.

Solution: 0 is a rational number but its reciprocal is not defined.

(ii) The rational numbers that are equal to their reciprocals.

Solution: 1 and –1 are the rational numbers that are equal to their reciprocals.

(iii) The rational number that is equal to its negative.

Solution:0 is the rational number that is equal to its negative.

Fill in the blanks.

(i) Zero has _____ reciprocal.

Solution: Zero has no reciprocal.

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

Solution: The numbers 1, and –1 are their own reciprocals.

(iii) The reciprocal of –5 is _____.

Solution: The reciprocal of -5 is $-\frac{1}{5}$

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

Solution: The reciprocal of $\frac{1}{x}$ where $x \neq 0$ is x.

(v) The product of two rational numbers is always a _____.

Solution: Rational number

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

Solution: Positive Rational number