

I. Fill in the blanks:

1. A rational number which has no reciprocal is
2. The multiplicative inverse of $-2/3$ is
3. The product of a non-zero rational number and its reciprocal is _____
4. There are ----- rational numbers between two rational numbers.
5. The numbers _____ and _____ are their own reciprocal.
6. The reciprocal of a negative rational number is _____.

II. Choose the correct answer:

7. A number which can be expressed as p/q , where p and q are integers and $q \neq 0$ is
(a) Natural number (b) Whole number (c) Integer (d) Rational number.
8. Zero (0) is
(a) the identity for addition of rational numbers.
(b) the identity for subtraction of rational numbers.
(c) the identity for multiplication of rational numbers.
(d) the identity for division of rational numbers.
9. Multiplicative inverse of a negative rational number is
(a) a positive rational number.
(b) a negative rational number.
(c) 0
(d) 1
10. The reciprocal of -1 is
(a) 1 (b) -1 (c) 0 (d) Not defined
11. Between two given rational numbers, we can find
(a) one and only one rational number.
(b) only two rational numbers.
(c) only ten rational numbers.
(d) infinitely many rational numbers.
12. $(x + y) / 2$ is a rational number
(a) Between x and y
(b) Less than x and y both.
(c) Greater than x and y both.
(d) Less than x but greater than y .