

BHARTIYAM CLASSES

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CLASS-VIII (CBSE)

MATHEMATICS

(RATIONAL NUMBERS)

Q1. Fill up with correct answer

1. The sum of a rational number and its additive inverse is _____
2. The product of a rational number and its reciprocal is _____
3. The additive inverse of 0 is _____
4. The number _____ and _____ are their own reciprocal.
5. The reciprocal of a positive rational number is _____
6. The reciprocal of a negative rational number is _____
7. The product of two positive rational number is always a _____
8. Zero has _____ reciprocal.
9. The additive identity for rational number is _____
10. The multiplicative identity for rational number is _____
11. The multiplicative inverse of 1 is _____
12. The multiplicative inverse of -1 is _____
13. The rational number that does not have a reciprocal is _____
14. The rational number which is equal to its negative is _____.
15. $\frac{a}{b} + \frac{c}{d} = \frac{c}{d} + \frac{a}{b}$ is called _____ law of addition.
16. $(\frac{a}{b} + \frac{c}{d}) + \frac{e}{f} = \frac{a}{b} + (\frac{c}{d} + \frac{e}{f})$ is called _____ law of addition.
17. $\frac{a}{b} \times (\frac{c}{d} + \frac{e}{f}) = (\frac{a}{b} \times \frac{c}{d}) + (\frac{a}{b} \times \frac{e}{f})$ is called _____ law of multiplication over addition.
18. Sum of two rational number is a _____
19. Difference of two rational number is a _____
20. Reciprocal of $\frac{1}{a}, a \neq 0$ is _____

ANSWER KEY

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|-------------------|----------------------|----------------------|------------------|
| (1) 0 | (2). 1 | (3). 0 | (4). 1 and -1 |
| (5) positive | (6) negative | (7) positive number | (8) No |
| (9) 0 | (10) 1 | (11) 1 | (12) -1 |
| (13) 0 | (14) 0 | (15) Commutative | (16) Associative |
| (17) Distributive | (18) Rational Number | (19) Rational number | (20) a |