

CBSE 8th Class Mathematics

Chapter Rational Number

CBSE TEST PAPER - 02

- The numbers _____ and _____ are their own reciprocals
(a) 1 and 0 (b) 1 and -1
(c) -1 and 0 (d) none of these.
- The reciprocal of - 5 is _____.
(a) 5 (b) 1
(c) - 1/5 (d) 1/5
- Reciprocal of $1/x$, where $x \neq 0$ is _____.
(a) 1 (b) x
(c) 0 (d) none of these
- The product of two rational numbers is always a _____.
(a) whole numbers (b) integers
(c) natural numbers (d) rational numbers
- What number should be added to $7/12$ to get $4/15$?
(a) $-19/60$ (b) $-11/30$
(c) $51/60$ (d) $1/20$
- The sum of two rational numbers is $-1/2$. If one of the numbers is $5/6$, find the other.
- What number should be subtracted from $-2/3$ to get $-1/2$?
- Verify whether the given statement is true or not: (i) $(59 \div 13) \div 52 = 59 \div (13 \div 52)$
- Divide the sum of $1\frac{3}{5}$ and $-1\frac{2}{7}$ by the product of $-3\frac{1}{7}$ and $\frac{-1}{2}$
- The product of two rational numbers is $-16/9$. If one of the numbers is $-4/3$, find the other.
- After reading $7/9$ of a book, 40 pages are left. How many pages are there in the book?
- A drum full of rice weights $40\frac{1}{6}$ kg. If the empty drum weights $13\frac{3}{4}$ kg, find the weight of rice in the drum.
- Raju earns Rs16000/month. He spends $\frac{1}{4}$ of his income on food; $\frac{3}{10}$ of the remainder on house rent and $\frac{5}{21}$ of the remainder on education of children. How much money is still left with him?
- Simplify using a suitable property
(a) $(-3/7) \times 6/5 + (1/10) \times 3/2 - (6/5) \times (1/14)$
(b) $(-4/9) \times (2/7) + (2/3) - (2/7) \times (1/3)$
(d) $(3/10) \times (-3/7) - (6/7) + (3/5) \times (3/7)$
- A tin holds $16\frac{1}{2}$ litres of oil. How many such tins will be required to hold $313\frac{1}{2}$ litres of oil?