



CBSE 8th Class Mathematics

Chapter Rational Number

CBSE TEST PAPER - 03

1. The sum of the rational numbers  $-5/16$  and  $7/12$

is

- (a)  $-7/48$  (b)  $-11/30$   
(c)  $13/48$  (d)  $1/3$

2. The reciprocal of a positive rational number is \_\_\_\_\_.

- (a) negative (b) positive  
(c) zero (d) none of these

3. What number should be subtracted from  $-3/5$  to get  $-2$ ?

- (a)  $-7/5$  (b)  $-13/5$   
(c)  $13/5$  (d)  $7/5$

4. Which of the following number is irrational

- (a) 1.35253525... (b) 1.414  
(c) 1.3525225222... (d) 1.732

5. For what value of 'a' the number  $-11/a$  is not a rational number.

- (a) -1 (b) 1  
(c) 0 (d) 10

6. Rita had Rs300. She spent  $1/3$  of her money on notebooks and  $1/4$  of the remainder on stationery items. How much money is left with her?

7. Multiply the reciprocal of  $9/11$  by the additive inverse of  $-18/55$

8. Find the additive inverse of the multiplicative inverse of the expression  $(-3/5) \times (-10)$

9. What are the identity elements for the addition and multiplication of rational numbers?

10. Subtract the additive inverse of  $5/6$  from the multiplicative inverse of  $(-5/7) \times (14/15)$

11. By what number should  $-15/56$  be divided to get  $-5/7$ .

12. If  $1/3$  of a number exceeds its  $2/7$  by 1 find the number.

13. Find 80 rational number between the additive inverse of the sum  $2/5$  and  $1/3$  and the product of  $6/7$  and  $21/24$

14. What do you mean by absolute value. Write the multiplicative inverse of  $|-4/5|$

[The absolute value of a number as its distance from zero at the number line

15. Why is the absolute value of zero equal to "0"?

[ How far is zero from 0? Zero units, right? So  $|0| = 0$  ]

