

## CBSE 8th Class Mathematics

### Chapter Rational Number

#### CBSE TEST PAPER - 01

1. Associative property is not followed in \_\_\_\_  
(a) whole numbers (b) integers  
(c) natural numbers (d) rational numbers
2. \_\_\_\_ is the identity for the addition of rational numbers.  
(a) 1 (b) 0  
(c) - 1 (d) 1
3. \_\_\_\_ is the multiplicative identity for rational numbers.  
(a) 1 (b) 0  
(c) - 1 (d) 1
4. The additive inverse of  $\frac{7}{5}$  is  
(a) 1 (b) 0  
(c)  $-\frac{7}{5}$  (d)  $\frac{7}{5a}$
5. Zero has \_\_\_\_\_ reciprocal.  
(a) 1 (b) 2  
(c) 3 (d) no
6. Write.  
(i) The rational number that does not have a reciprocal.  
(ii) The rational numbers that is equal to their reciprocals.  
(iii) The rational number that is equal to its negative.  
(iv) The additive inverse of a negative number
7. Give a rational number which when added to it gives the same number.
8. By what rational number should we divide  $\frac{22}{7}$ , so as to get the number  $-\frac{11}{24}$
9. Represent the following rational numbers on the number line. (i)  $-\frac{3}{7}$  (ii)  $\frac{8}{7}$  (iii) 1.345 (iv)  $\sqrt{2}$  (v)  $\sqrt{3}$
10. If you subtract  $\frac{1}{2}$  from a number and multiply the result by  $\frac{1}{2}$ , you get  $\frac{1}{8}$ . What is the number?
11. Three consecutive integers are such that when they are taken in increasing order and multiplied by 2, 3, and 4 respectively, they add up to 74. Find these numbers.
12. Which of the following can be expressed as terminating or non - terminating?  
(a)  $\frac{1}{4}$  (b)  $-\frac{11}{15}$  (c)  $-\frac{38}{81}$
13. Find two rational numbers between (i) -2 and 2. (ii) -1 and 0.
14. Insert six rational numbers between (i)  $-\frac{1}{3}$  and  $-\frac{2}{3}$  (ii)  $\frac{1}{4}$  and  $\frac{1}{2}$
15. Find two rational and two irrational no between  $\sqrt{2}$  and  $\sqrt{3}$