



Subject: - Mathematics

## PRACTICE PAPER

## CBSE-7<sup>th</sup>

Topic: - Rational Numbers

1. Express  $\frac{3}{5}$  as a rational number with numerator - 27? Ans.  $-\frac{27}{45}$
2. Express  $\frac{-192}{108}$  as a rational number with numerator 32? Ans.  $\frac{32}{-18}$
3. Express  $\frac{132}{-428}$  to the lowest form? Ans.  $\frac{33}{-107}$
4. Fill in the blanks: -
- a)  $\frac{-6}{11} = \frac{3}{-55}$  Ans. - 22, - 15
5.  $\frac{13}{6}$  and  $\frac{-65}{x}$  represents a pair of equivalent rational number. Find the value of  $x$ ? Ans. - 30
6. Which one is greater:  $-\frac{3}{5}$  or  $-\frac{5}{6}$  Ans.  $-\frac{3}{5}$
7. Arrange in ascending order: - a)  $\frac{3}{5}, \frac{-17}{-30}, \frac{8}{-15}, \frac{-7}{10}$  Ans.  $\frac{-7}{10}, \frac{8}{-15}, \frac{-17}{-30}, \frac{3}{5}$
8. Which is true: -
- a) the rational number  $\frac{-12}{-17}$  lies to the left of zero on the number line. Ans. False
- b) The rational numbers  $\frac{-12}{-5}$  and  $\frac{-7}{17}$  are on the opposite side of zero on the number line. Ans. True
9. The cost of  $2\frac{1}{2}$  m of a cloth is ₹78 $\frac{3}{4}$ . Find the cost of cloth per metre? Ans. ₹31
10. If 24 pairs of trousers of equal size can be prepared with 54 metre of cloth, What length of cloth is required for each pair of trouser? Ans.  $2\frac{1}{4}$  m
11. By what rational number should  $\frac{-8}{39}$  be multiplied to obtain  $\frac{5}{26}$ ? Ans.  $-\frac{15}{16}$
12. Divide the sum of  $\frac{65}{12}$  and  $\frac{8}{3}$  by their difference? Ans.  $\frac{97}{33}$