

MATHS ASSIGNMENT

CLASS – VII

CH – 9 (RATIONAL NUMBERS)

1. Express $-\frac{8}{9}$ as a rational number with numerator = 40.
2. Write $-\frac{444}{492}$ in its standard form.
3. Compare: $\frac{3}{-14}$ and $-\frac{5}{21}$
4. Arrange the rational numbers in ascending order: $-\frac{3}{7}, \frac{5}{-14}, -\frac{7}{12}$
5. Fill in the blanks: $-\frac{3}{4} = \frac{\dots}{12} = \frac{\dots}{28}$
6. Subtract $\frac{7}{8}$ from $\frac{5}{12}$
7. What should be added to $-\frac{7}{12}$ so as to get $\frac{9}{16}$?
8. Simplify: $\frac{-13}{9} + \frac{7}{9} + \frac{2}{-9}$
9. Multiply: $\frac{-8}{19}$ by (-57)
10. Find the reciprocal of -7
11. Find the reciprocal of $\frac{5}{8} \times \frac{(-3)}{10}$
12. Divide $\frac{15}{38}$ by $\frac{-3}{19}$
13. List three numbers between -3 and -2
14. Simplify: $\left(\frac{26}{9} \times \frac{3}{7}\right) - \left(\frac{13}{14} \times \frac{-2}{3}\right)$
15. List 10 rational numbers between $\frac{-3}{11}$ and $\frac{8}{11}$.
16. The cost of $5\frac{1}{3}$ m of cloth is ₹ $85\frac{1}{3}$. Find the cost of cloth per meter.
17. Find the reciprocal of $\left(\frac{3}{11} \times \frac{5}{6}\right) - \left(\frac{9}{22} \div \frac{3}{4}\right)$.

CH –10 (PRACTICAL GEOMETRY)

1. Construct a triangle ΔABC in which $AB = 7$ cm, $AC = 6$ cm, $BC = 9$ cm.
2. Construct a triangle ΔXYZ in which $\angle XYZ = 70^\circ$, $XY = 7.2$ cm, $YZ = 8.2$ cm.
3. Construct a triangle ΔBCD in which $\angle B = 105^\circ$, $BC = 8.2$ cm, $\angle C = 45^\circ$.
4. Construct a right triangle ΔLMN right angled at N in which $MN = 5.9$ cm and $LM = 8.4$ cm.
5. Construct a triangle ΔABC given $AB = 7$ cm, $\angle A = 35^\circ$, $\angle B = 40^\circ$. Calculate the third angle.