



## ASSIGNMENT

Class – 7<sup>TH</sup>

Subject : MATHS

**Q.1 Find 3 rational numbers between  $\frac{3}{4}$  and  $\frac{1}{2}$ .**

**Q.2 Simplify:** (i)  $\left(\frac{21}{16} \times \frac{12}{9}\right) \div \left(\frac{-3}{8} \times \frac{-12}{9}\right)$

(ii)  $\left(\frac{-91}{63} \times \frac{-35}{26}\right) - \left(-3\frac{4}{17} \times \frac{-85}{33}\right) + \left(\frac{-11}{18} \times \frac{12}{-33} \times \frac{3}{4}\right)$

(iii)  $\left[\frac{5}{23} + \left(\frac{-8}{115}\right) + \left(\frac{-28}{138}\right)\right] \times \left[\left(\frac{23}{14}\right) \div \left(\frac{69}{17}\right)\right]$

**Q.3 Verify:  $x + (y + z) = (x \times y) + (x \times z)$  if  $x = \frac{-3}{2}$ ,  $y = \frac{4}{3}$ ,  $z = -1$ .**

**Q.4 Find four rational numbers between  $\frac{1}{9}$  and  $\frac{1}{3}$  and represent them on the number line.**

**Q.5 Arrange the following numbers in ascending order –**

a.  $\frac{9}{15}$ ,  $\frac{-8}{2}$ ,  $\frac{-3}{-7}$ ,  $-8\frac{2}{11}$ ,  $\frac{1}{5}$

b.  $\frac{-3}{7}$ ,  $\frac{-3}{2}$ ,  $\frac{-3}{4}$

**Q.6 How many pieces of tape  $3\frac{4}{7}$  cm long can be cut from a long tape, which is 1 meter and 75cm.**

**Q.7** Divide the sum of  $\frac{-8}{7}$  and  $\frac{5}{14}$  by their product.

**Q.8** Draw the number line and represent the following rational number on it

a.  $\frac{3}{4}$

b.  $\frac{-5}{8}$ .

**Q.9** Which of the following pairs represent the same rational number.

a.  $\frac{-7}{21}$  and  $\frac{3}{9}$

b.  $\frac{-2}{-3}$  and  $\frac{2}{3}$

**Q.10** Which is greater in each of the following –

a.  $\frac{-5}{6}$  ,  $\frac{-4}{3}$

b.  $-3\frac{2}{7}$  ,  $-3\frac{4}{5}$