

VII - Mathematics Assignment No.-08 - Rational Numbers.

Fill the gap.

- Q1. Any rational number can be expressed in the form of \_\_\_\_\_.
- Q2. Every integer is a \_\_\_\_\_ number.
- Q3. Every rational number  $\frac{p}{q}$  is positive if both p and q are \_\_\_\_\_ or \_\_\_\_\_.
- Q4. Every fraction is a \_\_\_\_\_ number.
- Q5. If  $\frac{p}{q} = \frac{r}{s}$  then \_\_\_\_\_ = \_\_\_\_\_.
- Q6.  $\frac{-9}{5} = \frac{\dots}{20} = \frac{27}{\dots}$
- Q7. The additive inverse of  $(-\frac{3}{5})$  is \_\_\_\_\_.
- Q8. The multiplicative inverse of  $\frac{3}{4}$  is \_\_\_\_\_.
- Q9. The product of two rational no. is 1 if one of them is  $\frac{7}{8}$ , the other is \_\_\_\_\_.
- Q10. \_\_\_\_\_ has no reciprocal.

Cont Pg-2

Q11. There is \_\_\_\_\_ rational number which when multiplied with '0' gives 1

Q12. The negative of  $\frac{-3}{4}$  is \_\_\_\_\_

Q13. If  $\frac{x}{3} = \frac{7}{4}$  then  $x =$  \_\_\_\_\_

Q14.  $-\frac{13}{5}$  lies on the number line to the \_\_\_\_\_ of 0

Q15.  $\frac{2}{3} +$  \_\_\_\_\_  $= \frac{4}{5}$

### ANSWERS

Q1. $\frac{p}{q}, q \neq 0$	Q5. $p \neq q$	Q10. zero
Q2. Rational	Q6. -36, -15	Q11. No
Q3. Positive negative	Q7. $\frac{3}{5}$	Q12. $-\frac{3}{4}$
Q4. Rational	Q8. $\frac{4}{3}$	Q13. $\frac{21}{4}$
	Q9. $\frac{8}{7}$	Q14. Left
		Q15. $\frac{2}{15}$