

VII - Mathematics Assignment No-03- Rational Numbers.

Q1. Add the following rational numbers.

(a)  $\frac{2}{3} + \frac{5}{6}$

(b)  $\frac{7}{3} + \frac{20}{3}$

Q2. Add the following rational numbers.

(a)  $\frac{1}{2} + \frac{1}{4} + \frac{1}{8}$

(b)  $\frac{2}{3} + \frac{4}{6} + \frac{1}{5}$

Q3. Add the following rational numbers.

(a)  $\frac{-5}{9} + \frac{-5}{6}$

(b)  $\frac{-3}{8} + \frac{-1}{7}$

Q4. Find the sum of  $\frac{-5}{9}$ ,  $\frac{-7}{12}$  and  $\frac{11}{18}$

Q5 Add  $2\frac{1}{3}$  and  $5\frac{1}{4}$ .

Q6. Evaluate,  $\frac{3}{5} + \frac{1}{3} + \frac{-11}{5} + \frac{-2}{3}$

Q7 Simplify,  $\frac{4}{7} + \frac{-8}{9} + \frac{-5}{21} + \frac{1}{3}$

Q8. A city received  $\frac{5}{12}$  cm rainfall on Saturday and  $\frac{14}{3}$  cm on Friday. How much rainfall did it receive in two days.

Cont Pg-2

Q9. Arun spent  $\frac{3}{5}$  of his pocket money during lunch break and  $\frac{3}{8}$  after school. He also spent  $\frac{1}{6}$  of the pocket money for his younger brother. What part of money he spent in all.

Q10. The sum of two rational numbers is  $-\frac{1}{3}$ . If one of the numbers is  $\frac{1}{8}$ . Find the other.

Q11. What number should be added to  $-\frac{6}{5}$  to get  $\frac{3}{4}$

Q12. Subtract the sum of  $-\frac{36}{11}$  and  $\frac{49}{22}$  from the sum of  $\frac{33}{8}$  and  $-\frac{17}{4}$

**ANSWERS**

Q1 (a) $\frac{11}{6}$ (b) $\frac{27}{3}$	Q3 (b) $-\frac{29}{56}$ Q4 $-\frac{19}{36}$	Q7 $-\frac{2}{9}$ Q8 $\frac{61}{12}$	Q11 $\frac{39}{20}$ Q12 $\frac{81}{88}$
Q2 (a) $\frac{1}{8}$ (b) $\frac{23}{15}$	Q5 $7\frac{7}{12}$ Q6. $\frac{1}{15}$	Q9 $1\frac{17}{120}$ Q10 $-\frac{29}{24}$	
Q3 (a) $\frac{5}{18}$			