

VI - Mathematics Assignments No-04 - Fractions

(Q1) Arrange the following fractions in ascending order.

$$\frac{1}{9}, \frac{5}{18}, \frac{3}{4}, \frac{13}{24}$$

(Q2) Sunita read 35 pages of a book having 100 pages. Ramita read  $\frac{1}{2}$  of the same book. Who read more pages?

(Q3) Arun plays for  $\frac{3}{4}$  of an hour and Anil plays for  $\frac{2}{5}$  of an hour. Who plays more time and by how much?

(Q4) Add  $\frac{1}{2}, \frac{1}{4}, \frac{1}{8}$  and express the result in a mixed fraction

(Q5) Add (i)  $\frac{13}{15} + \frac{1}{2} + \frac{2}{3}$

(ii)  $\frac{4}{5} + \frac{6}{7} + \frac{1}{2}$

(Q6) Add (i)  $2\frac{1}{3} + 1\frac{5}{6} + 1\frac{3}{8}$

(ii)  $2\frac{2}{3} + 1\frac{4}{7} + 4\frac{2}{3}$

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- (Q7) Subtract (i)  $2\frac{3}{4}$  from  $6\frac{1}{6}$   
 (ii)  $2\frac{2}{3}$  from 4

(Q8) Simplify  $2 - \frac{2}{3} + 1\frac{1}{4} - 1\frac{5}{6}$

- (Q9) Multiply (i)  $\frac{3}{4}$  by  $\frac{12}{15}$   
 (ii)  $\frac{6}{7}$  by  $\frac{21}{18}$

- (Q10) Divide (i)  $13\frac{4}{5}$  by  $\frac{23}{10}$   
 (ii)  $5\frac{1}{2}$  by  $\frac{33}{8}$

(Q11) Simplify:  $2\frac{1}{3} + 5\frac{6}{7} - 1\frac{1}{2}$   
 $6\frac{29}{42}$

(Q12) Simplify:  $\left[\frac{3}{5} - \frac{7}{10} - \frac{3}{15} + \frac{7}{9}\right] \div \frac{43}{90}$

ANSWERS			
(Q1) $\frac{1}{9}, \frac{5}{18}, \frac{13}{24}, \frac{3}{4}$	(Q5) (i) $2\frac{1}{30}$ (ii) $2\frac{11}{70}$	(Q7) (i) $3\frac{5}{12}$ (ii) $1\frac{1}{3}$	(Q11) 1
(Q2) Ramita	(Q6) (i) $4\frac{13}{24}$ (ii) $8\frac{19}{24}$	(Q8) $\frac{3}{4}$	(Q12) 1
(Q3) Arun by 21 min		(Q9) (i) $\frac{3}{5}$ (ii) 1	
(Q4) $1\frac{5}{8}$		(Q10) (i) 6 (ii) $1\frac{1}{3}$	