

Ch-9- Fraction

Worksheet

①

Ans-a) unlike

Ans-b) mixed

Ans-c) improper

Ans-d) 17

Ans-e) $\frac{1}{1}$

Ans-f) 5

Ans-g) 9

Ans-h) proper

Ans-i) like

Ans-j) fraction

②

Ans-a) $\frac{3}{5} \times \frac{25}{1} = 15$

Ans-b) $\frac{19}{2} = Q \frac{R}{D} = 9 \frac{1}{2}$

Ans-c) $6 \frac{2}{9} = \frac{56}{9}$

Ans-d) $\frac{3}{4} > \frac{2}{5}$

Ans-e) $\frac{18 \div 2}{42 \div 2} = \frac{9 \div 3}{21 \div 3} = \frac{3}{7}$

③

Ans-a) $2 \frac{5}{13} + 7 \frac{7}{13} + 3 \frac{9}{26}$

= $\frac{31}{13} + \frac{7}{13} + \frac{87}{26}$

2	13, 13, 26
13	13, 13, 13
	1, 1, 1
	L.C.M. = 26

= $\frac{31 \times 2}{26} + \frac{7 \times 2}{26} + \frac{87 \times 1}{26} = \frac{62}{26} + \frac{14}{26} + \frac{87}{26} = \frac{163}{26} = 6 \frac{7}{26}$

Ans-b) $\frac{95}{7} - \frac{57}{9}$

$$= \frac{68}{7} - \frac{52}{9}$$

$$= \frac{68 \times 9 - 52 \times 7}{63}$$

$$= \frac{612 - 364}{63} = \frac{248}{63} = \frac{359}{63}$$

3	9, 7
3	3, 7
7	1, 7
	1, 1
L.C.M. = 63	

Ans-c) $\frac{2}{5} \times \frac{3}{4} \times \frac{1}{2}$

$$= \frac{\cancel{2} \times 3 \times 1}{5 \times 4 \times \cancel{2}} = \frac{3}{20}$$

Ans-d) $\frac{3}{5} + \frac{1}{2} - \frac{3}{4}$

$$= \frac{3 \times 4 + 1 \times 10 - 3 \times 5}{20}$$

$$= \frac{12 + 10 - 15}{20} = \frac{22 - 15}{20} = \frac{7}{20}$$

2	5, 2, 4
2	5, 1, 2
5	5, 1, 1
	1, 1, 1
L.C.M. = 20	

Ans - e) Length of the ribbon = $3\frac{1}{2} \text{ m} = \frac{7}{2} \text{ m}$

No. of pieces = 7

Length of each piece = $\frac{7}{2} \div 7$

= $\frac{7}{2} \times \frac{1}{7} = \frac{1}{2} \text{ m}$

\therefore Length of each piece of ribbon is $\frac{1}{2} \text{ m}$.