

Hw

S.09.21

Ex. 9. B

$$a.f) 10\frac{5}{6} - 7\frac{2}{3} + 8\frac{1}{3} - 5\frac{1}{2}$$

$$= \frac{65}{6} - \frac{9}{3} + \frac{25}{3} - \frac{11}{2}$$

2	6, 3, 3, 2
3	3, 3, 3, 1

= L.C.M of 6, 3, 3, 2 = 6

$$= \frac{65 - 10 + 50 - 3}{6} = \frac{72}{6} = 12\frac{5}{6}$$

$$g. 5\frac{5}{12} - 6 + 8 - 5\frac{3}{5}$$

$$= \frac{65}{12} - \frac{6}{1} + \frac{8}{1} - \frac{28}{5}$$

L.C.M of denominators 12, 5, 1, 1 = 60

$$\frac{325 - 360 + 348 - 336}{60} = \frac{109}{60}$$

$$= 1\frac{49}{60}$$

$$h. 10\frac{1}{4} + 6\frac{3}{8} - 15 + 1\frac{1}{2} = \frac{41}{4} + \frac{51}{8} - \frac{15}{1} + \frac{3}{2}$$

L.C.M of denominators 4, 8, 1, 2 = 8

$$\frac{82 + 51 - 120 + 12}{8} = \frac{25}{8} = 3\frac{1}{8}$$

$$i. 25 - 20\frac{1}{2} + 15\frac{3}{5} - 5 = \frac{25}{1} - \frac{41}{2} + \frac{78}{5} - \frac{5}{1}$$

$$= \frac{25}{1} - \frac{41}{2} + \frac{78}{5} - \frac{5}{1}$$

L.C.M of denominator 5, 2 = 10

$$\frac{27 - 54 + 156 - 46}{42} = \frac{113}{42} = 2\frac{29}{42}$$

$$j. \frac{9}{14} - 1\frac{2}{7} + 4\frac{3}{7} - 1\frac{2}{21} =$$

$$= \frac{9}{14} - \frac{9}{7} + \frac{31}{7} - \frac{23}{21}$$

L.C.M of denominators 14, 7, 7, 21 = 42

$$\frac{27 - 54 + 186 - 46}{42} = \frac{113}{42} = 2\frac{29}{42}$$