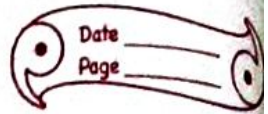


HW

6.9.21



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

$$\frac{65}{6} - \frac{23}{3} + \frac{25}{3} - \cancel{5\frac{1}{2}} \quad \frac{11}{2}$$

$$\text{L.C.M.} = 6$$

$$\frac{65 \times 1 + 25 \times 2 - 23 \times 2 - 11 \times 3}{6}$$

$$\frac{65 + 50 - 46 - 33}{6}$$

$$\frac{115 - 79}{6} = \frac{36}{6} \quad \cancel{\# \# \#}$$

$$= 6$$

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

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

$$\text{L.C.M.} = 60$$

$$\frac{65 \times 5 + 8 \times 60 - 6 \times 60 - 28 \times 12}{60}$$

$$\frac{325 + 480 - 360 - 336}{60}$$

$$\frac{805 - 696}{60} = \frac{109}{60}$$

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

$$b) 10\frac{1}{4} + 6\frac{3}{8} - 15 + 1\frac{1}{2}$$

$$\frac{41}{4} + \frac{51}{8} - \frac{15}{1} + \frac{3}{2}$$

L.C.M. = 8

$$\frac{41 \times 2 + 51 \times 1 - 15 \times 8 + 3 \times 4}{8}$$

$$\frac{82 + 51 - 120 + 12}{8}$$

$$\frac{145 - 120}{8} = \frac{25}{8}$$

$$= 3\frac{1}{8}$$

$$i) 25 - 20 \frac{1}{2} + 15 \frac{3}{5} - 5$$

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

$$\text{L.C.M.} = 10$$

$$\frac{25 \times 10 + 78 \times 2 - 41 \times 5 - 5 \times 10}{10}$$

$$\frac{250 + 156 - 205 - 50}{10}$$

$$\frac{406 - 255}{10} = \frac{151}{10}$$

$$= 15 \frac{1}{10}$$

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

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

$$L.C.M. = 42$$

$$\frac{9 \times 3 - 9 \times 6 + 31 \times 6 - 23 \times 2}{42}$$

$$\frac{27 - 54 + 186 - 46}{42}$$

$$\frac{27 + 186 - 54 - 46}{42} = \frac{213 - 100}{42} = \frac{113}{42}$$

$$= 2\frac{29}{42}$$