HW
12/9/22
Thursday

f) $\frac{16}{25} + \frac{9}{10} + \frac{3}{8}$

L.C.M of 25, 10 and 8 = 2 × 4

×5 ×5 = 200

$\frac{16}{25} + \frac{9}{10} + \frac{3}{8} = \frac{72 + 30 + 410}{200} = \frac{512}{200}$

$= 2\frac{112}{200}$

g) $1\frac{1}{4} + 3\frac{3}{8}$

$1\frac{1}{4} + 3\frac{3}{8} = \frac{5}{4} + \frac{70}{8}$

L.C.M. of 4 + 8 = 2 + 2 × 2 = 6

$\frac{40 + 280}{6} = \frac{320}{6} = 53\frac{2}{6}$

h) $3\frac{1}{3} + 7\frac{5}{6} + 5\frac{1}{2}$

$3\frac{1}{3} + 7\frac{5}{6} + 5\frac{1}{2} = \frac{10}{3} + \frac{47}{6} + \frac{11}{2}$

L.C.M of $3 * 6 * 2 = 2 \times 3 = 6$

$\frac{29}{5} + \frac{26}{3} + \frac{7.}{10} = \frac{260 + 22 + 90}{6} = \frac{372}{6}$

$= 59\frac{2}{6}$

i) $6\frac{5}{14} + 20 + 7\frac{3}{7} + 8\frac{7}{12}$

$6\frac{5}{14} + 20 + 7\frac{3}{7} + 8\frac{7}{12} = \frac{89}{14} + \frac{20}{1} + \frac{52}{7} + \frac{95}{12}$

L.C.M $= 14, 7, 12 = 2 \times 6 \times 7 = 84$

$\frac{89}{14} + \frac{20}{1} + \frac{52}{7} + \frac{95}{12} = \frac{89 + 280 + 624 + 665}{84}$

$= \frac{1553}{84} = 18\frac{41}{84}$