

H W
17/9/2021

EX 9. B

$$1. (f) \quad \frac{16}{25} + \frac{9}{10} + \frac{3}{8}$$

$$= \frac{16 \times 8 + 9 \times 20 + 3 \times 25}{200}$$

$$= \frac{128 + 180 + 75}{200}$$

$$= \frac{383}{200}$$

5	25	10	8
2	5	2	8
2	5	1	4
2	5	1	2
5	5	1	1
	1	1	1

LCM = 200

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

$$= \cancel{5} \frac{5}{4} + \frac{27}{8}$$

$$= \frac{5 \times 2 + 27 \times 1}{8}$$

$$= \frac{10 + 27}{8} = \frac{37}{8}$$

2	4	8
2	2	4
2	1	2
	1	1

LCM = 8

Q(h) $3\frac{1}{3} + 7\frac{5}{8} + 5\frac{1}{2}$

$3 \mid 3, 6, 2$
 $2 \mid 2, 2$
 $1, 1, 1$
 LCM = 6

$= \frac{10}{3} + \frac{47}{8} + \frac{11}{2}$

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

$= \frac{20 + 47 + 33}{6}$

$= \frac{100}{6}$

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

$= \frac{89}{14} + \frac{20}{1} + \frac{52}{7} + \frac{103}{12}$

$7 \mid 4, 7, 12$
 $2 \mid 2, 1, 12$
 $2 \mid 1, 1, 6$
 $3 \mid 1, 1, 3$
 $1, 1, 1, 1$
 LCM = 84

$$= \frac{89 \times 6 + 20 \times 84 + 52 \times 12 + 103 \times 7}{84}$$

$$= \frac{534 + 1680 + 624 + \overset{721}{\cancel{105 \times 7}}}{84}$$

$$= \frac{3559}{84}$$