Homework

h) $6\frac{3}{17} - 4$

Sol- $\frac{105}{17} - \frac{4}{1}$

$$\frac{105 \times 1 - 4 \times 17}{17} = \frac{105 - 68}{17} = \frac{37}{17}$$

i) $30\frac{3}{4} - 25$

Sol- $\frac{123}{4} - \frac{25}{1}$

$$\frac{123 \times 1 - 25 \times 4}{4} = \frac{123 - 100}{4} = \frac{23}{4}$$

j) $20\frac{7}{12} - 15$

Sol- $\frac{247}{12} - \frac{15}{1}$

$\frac{247 \times 1 - 15 \times 12}{12} = \frac{247 - 180}{12} = \frac{67}{12}$

k) $12\frac{7}{8} - 11\frac{1}{2}$

Sol- $\frac{103}{8} - \frac{23}{2}$

2 | 8 , 2
2 | 4 , 1
2 | 2 , 1
1 , 1

$2 \times 2 \times 2 = 8$

$\frac{103 \times 1 - 23 \times 4}{8} = \frac{103 - 92}{8} = \frac{11}{8}$

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Q) $100\frac{1}{4} - 99$

Sol- $\frac{400}{4} - \frac{99}{1}$

$\frac{400 \times 1 - 99 \times 4}{4} = \frac{401 - 396}{4} = \frac{15}{4}$