

FRACTIONS

ADDITION AND SUBTRACTION

Example

Find: $2\frac{1}{3} - 3\frac{1}{2} + 1\frac{1}{4}$

$$\begin{aligned} & 2\frac{1}{3} - 3\frac{1}{2} + 1\frac{1}{4} \\ &= \frac{7}{3} - \frac{7}{2} + \frac{5}{4} \quad \{\text{converting to improper fractions}\} \\ &= \frac{7 \times 4}{3 \times 4} - \frac{7 \times 6}{2 \times 6} + \frac{5 \times 3}{4 \times 3} \\ &= \frac{28}{12} - \frac{42}{12} + \frac{15}{12} \quad \{\text{LCD} = 12\} \\ &= \frac{28 - 42 + 15}{12} \\ &= \frac{1}{12} \end{aligned}$$

Find:

a $1\frac{2}{3} - 2$

b $3\frac{3}{4} - 1\frac{1}{2}$

c $\frac{3}{4} - 2\frac{1}{2}$

d $1\frac{2}{3} + 3\frac{1}{4}$

e $4\frac{1}{3} + 2\frac{1}{6}$

f $2\frac{2}{3} - 5\frac{5}{6}$

g $-2\frac{1}{4} + 3\frac{1}{8}$

h $4\frac{1}{5} - 2\frac{1}{6}$