FRACTIONS

ADDITION AND SUBTRACTION

Example

Find: **a** $\frac{3}{8}+\frac{1}{2}$ **b** $\frac{3}{4}-\frac{2}{3}+\frac{1}{2}$

a
$$\frac{3}{8}+\frac{1}{2}$$
$$=\frac{3}{8}+\frac{1\times4}{2\times4}$$
$$=\frac{3}{8}+\frac{4}{8} \quad \{\text{LCD} = 8\}$$
$$=\frac{7}{8} \quad \{\text{adding numerators}\}$$

b
$$\frac{3}{4}-\frac{2}{3}+\frac{1}{2}$$
$$=\frac{3\times3}{4\times3}-\frac{2\times4}{3\times4}+\frac{1\times6}{2\times6}$$
$$=\frac{9}{12}-\frac{8}{12}+\frac{6}{12} \quad \{\text{LCD} = 12\}$$
$$=\frac{9-8+6}{12}$$
$$=\frac{7}{12}$$

Find:

a $\frac{2}{5}+\frac{1}{2}$

b $\frac{3}{5}-\frac{1}{4}$

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

d $\frac{2}{3}+\frac{4}{5}$

e $\frac{3}{7}-\frac{1}{2}$

f $-\frac{1}{2}+\frac{3}{4}$

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

h $\frac{1}{6}+\frac{3}{2}$

i $\frac{1}{10}-\frac{4}{5}$

j $\frac{7}{9}+\frac{2}{3}$

k $\frac{5}{8}-\frac{7}{4}$

l $-\frac{5}{7}+\frac{11}{14}$

AccadoMY
-It's a place to ace-

LIVEWORKSHEETS