

## Adding and Subtracting Fractions

Simplify your answers where possible.

(a)  $\frac{1}{3} + \frac{1}{4}$

(b)  $\frac{3}{4} - \frac{1}{9}$

(c)  $\frac{7}{12} + \frac{2}{5}$

(d)  $\frac{8}{9} - \frac{1}{4}$

(e)  $\frac{5}{6} - \frac{3}{7}$

(f)  $\frac{9}{20} + \frac{2}{5}$

(g)  $\frac{11}{15} - \frac{1}{6}$

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

(a)  $\frac{7}{12}$

(b)  $\frac{23}{36}$

(c)  $\frac{59}{60}$

(d)  $\frac{23}{36}$

(e)  $\frac{17}{42}$

(f)  $\frac{17}{20}$

(g)  $\frac{17}{30}$

(h)  $\frac{37}{56}$

Convert into improper fractions:

(a)  $2\frac{1}{2}$  (b)  $3\frac{4}{7}$  (c)  $5\frac{1}{6}$

(d)  $4\frac{2}{13}$  (e)  $7\frac{7}{10}$  (f)  $2\frac{5}{9}$

(a)  $\frac{5}{2}$  (b)  $\frac{25}{7}$  (c)  $\frac{31}{6}$

(d)  $\frac{54}{13}$  (e)  $\frac{77}{10}$  (f)  $\frac{23}{9}$

Convert into mixed numbers:

(a)  $\frac{8}{3}$  (b)  $\frac{25}{4}$  (c)  $\frac{31}{6}$

(d)  $\frac{18}{7}$  (e)  $\frac{92}{9}$  (f)  $\frac{59}{11}$

(a)  $2\frac{2}{3}$  (b)  $6\frac{1}{4}$  (c)  $5\frac{1}{6}$

(d)  $2\frac{4}{7}$  (e)  $10\frac{2}{9}$  (f)  $5\frac{4}{11}$

Calculate, giving your answers in their simplest form:

(a)  $1\frac{3}{5} + \frac{2}{5}$  (b)  $2\frac{6}{7} - 1\frac{1}{7}$

(c)  $5\frac{2}{3} - 2\frac{1}{6}$  (d)  $4\frac{1}{4} + 1\frac{5}{6}$

(e)  $2\frac{3}{7} + 3\frac{1}{4}$  (f)  $5\frac{2}{3} - 1\frac{4}{7}$

(a) 2 (b)  $1\frac{5}{7}$

(c)  $3\frac{1}{2}$  (d)  $2\frac{5}{12}$

(e)  $5\frac{19}{28}$  (f)  $4\frac{2}{21}$

Milly's living room has an area of  $5\frac{2}{5} m^2$  and her dining kitchen has an area of  $4\frac{3}{7} m^2$ . What is the total area of these two rooms?

$9\frac{29}{35} m^2$