Adding and Subtracting Fractions

Simplify your answers where possible.

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

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

(c)
$$\frac{7}{12} + \frac{2}{5}$$
 (d) $\frac{8}{9} - \frac{1}{4}$

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

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

(e)
$$\frac{5}{6} - \frac{3}{7}$$
 (f) $\frac{9}{20} + \frac{2}{5}$

(g)
$$\frac{11}{15} - \frac{1}{6}$$
 (h) $\frac{2}{7} + \frac{3}{8}$

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

Convert into improper fractions:

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

$$3\frac{4}{7}$$

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

$$7\frac{7}{10}$$

Convert into improper fractions:

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

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

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

$$7\frac{7}{10}$$

Convert into mixed numbers:

(a)
$$\frac{8}{3}$$

(b)
$$\frac{25}{4}$$

$$\frac{25}{4}$$
 (c) $\frac{32}{6}$

(d)
$$\frac{18}{7}$$

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

(f)
$$\frac{59}{11}$$

Convert into mixed numbers:

(a)
$$\frac{8}{3}$$

$$\frac{8}{3}$$
 (b) $\frac{25}{4}$

(c)
$$\frac{3}{6}$$

(d)
$$\frac{18}{7}$$

$$\frac{18}{7}$$
 (e) $\frac{92}{9}$

(f)
$$\frac{59}{11}$$

Calculate, giving your answers in their simplest form:

(a)
$$1\frac{3}{5} + \frac{2}{5}$$

(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) $4\frac{1}{4} + 1\frac{5}{6}$

(d)
$$4\frac{1}{4} + 1\frac{5}{6}$$

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

(f)
$$5\frac{2}{3}-1$$

Calculate, giving your answers in their simplest form:

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

(b)
$$2\frac{6}{7} - 1\frac{1}{7}$$

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

(d)
$$4\frac{1}{4} + 1\frac{5}{6}$$

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

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

Milly's living room has an area of $5\frac{2}{\epsilon}$ 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?

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?