# Fractions

a) $\frac{1}{2} + \frac{3}{4} = \frac{2}{4} + \frac{3}{4}$

$= \frac{5}{4}$ or $1\frac{1}{4}$

$\frac{4}{8} + \frac{6}{8}$

$\frac{10}{8}$ reduce $\frac{5}{4}$

b) $2\frac{1}{3} + 1\frac{2}{5} = 2\frac{5}{15} + 1\frac{6}{15}$

$= 3\frac{11}{15}$

$3 \times 15 = 45$

$\frac{11}{56}$

$\frac{7}{3} + \frac{7}{5}$

$\frac{35}{15} + \frac{21}{15}$

$\frac{56}{15}$

c) $2\frac{2}{3} - 1\frac{4}{5} = 2\frac{10}{15} - 1\frac{12}{15}$ (15/15, 15/15)

$\frac{8}{3} - \frac{9}{5}$

$\times 5 \left(\frac{40}{15} - \frac{27}{15}\right) \times 3$

$\frac{13}{15}$

$= 1\frac{25}{15} - 1\frac{12}{15}$

$= \frac{13}{15}$

$1 - \frac{2}{15}$

$\frac{15}{15} - \frac{2}{15}$

$\frac{13}{15}$

(9)

$$\frac{2}{9} + \frac{4}{3}9$$

$$\frac{6}{3} + \frac{4}{3}9^2$$

$$\frac{6+4q^2}{3q}$$