REARRANGING FORMULAE

ONE-STEP PROBLEMS

Ref: G241. 1E1

A1 Make x the subject of $n^2 = 2n + x$	**A2** Make x the subject of $p^2 = \frac{x}{4c}$	**A3** Make x the subject of $ab = x - 2c$	**A4** Make x the subject of $2n = abx$
B1 Make x the subject of $b = \frac{x}{a^2 b}$	**B2** Make x the subject of $\sqrt{n} = x - m^2$	**B3** Make x the subject of $\frac{m}{n} = ax$	**B4** Make x the subject of $m + n = 3x$
C1 Make x the subject of $ab = x - \sqrt{\frac{b}{a}}$	**C2** Make x the subject of $m + n = \frac{x}{2}$	**C3** Make x the subject of $5c = x + \frac{1}{a+b}$	**C4** Make x the subject of $p - qr = 3a + x$
D1 Make x the subject of $A = 3xy$	**D2** Make x the subject of $\frac{m}{n} = \frac{x}{a}$	**D3** Make x the subject of $M = \frac{x}{b+3}$	**D4** Make x the subject of $a + b = wxy$
E1 Make x the subject of $a + b = x^2$	**E2** Make x the subject of $a + 1 = \frac{x}{a}$	**E3** Make x the subject of $a + b = \sqrt{x}$	**E4** Make x the subject of $\frac{a}{b} = x - \frac{b}{a}$

REARRANGING FORMULAE

ONE-STEP PROBLEMS

Ref: G241. 1E1

A1 Make x the subject of $n^2 = 2n + x$ $x = n^2 - 2n$	**A2** Make x the subject of $p^2 = \frac{x}{4c}$ $x = 4cp^2$	**A3** Make x the subject of $ab = x - 2c$ $x = ab + 2c$	**A4** Make x the subject of $2n = abx$ $x = \frac{2n}{ab}$
B1 Make x the subject of $b = \frac{x}{a^2 b}$ $x = a^2 b \times b$ $= a^2 b^2$	**B2** Make x the subject of $\sqrt{n} = x - m^2$ $x = \sqrt{n} + m^2$	**B3** Make x the subject of $\frac{m}{n} = ax$ $x = \frac{m}{an}$	**B4** Make x the subject of $m + n = 3x$ $x = \frac{m+n}{3}$
C1 Make x the subject of $ab = x - \sqrt{\frac{b}{a}}$ $x = ab + \sqrt{\frac{b}{a}}$	**C2** Make x the subject of $m + n = \frac{x}{2}$ $x = 2(m+n)$	**C3** Make x the subject of $5c = x + \frac{1}{a+b}$ $x = 5c - \frac{1}{a+b}$	**C4** Make x the subject of $p - qr = 3a + x$ $x = p - qr - 3a$
D1 Make x the subject of $A = 3xy$ $x = \frac{A}{3y}$	**D2** Make x the subject of $\frac{m}{n} = \frac{x}{a}$ $x = a \times \frac{m}{n}$ $= \frac{am}{n}$	**D3** Make x the subject of $M = \frac{x}{b+3}$ $x = M(b+3)$	**D4** Make x the subject of $a + b = wxy$ $x = \frac{a+b}{wy}$
E1 Make x the subject of $a + b = x^2$ $x = \sqrt{a+b}$	**E2** Make x the subject of $a + 1 = \frac{x}{a}$ $x = a(a+1)$ or $x = a^2 + a$	**E3** Make x the subject of $a + b = \sqrt{x}$ $x = (a+b)^2$	**E4** Make x the subject of $\frac{a}{b} = x - \frac{b}{a}$ $x = \frac{a}{b} + \frac{b}{a}$ or $x = \frac{a^2 + b^2}{ab}$