



## National 5 Mathematics

### Rearranging Formulae - Questions

Marks are indicated in brackets after each question number

#### **2014 Paper 2 Question 11, (3)**

Change the subject of the formula  $s = ut + \frac{1}{2}at^2$  to  $a$ .

#### **2016 Paper 2 Question 12, (3)**

Change the subject of the formula  $L = \sqrt{4kt - p}$  to  $k$ .

#### **2017 Paper 1 Question 10, (3)**

Change the subject of the formula  $F = \frac{t^2 + 4b}{c}$  to  $b$ .

#### **2018 Paper 1 Question 14, (3)**

Change the subject of the formula  $y = g\sqrt{x} + h$  to  $x$ .

#### **2019 Paper 1 Question 7, (3)**

The area of a trapezium is given by the formula

$$A = \frac{1}{2}h(x + y).$$

Make  $x$  the subject of the formula.

#### **2022 Paper 1 Question 7, (2)**

Change the subject of the formula  $D = \frac{B + 4}{C^2}$  to  $B$ .



2023 Paper 2 Question 7, (3)

Change the subject of the formula  $P = \frac{1}{3}mn - r$  to  $m$ .

2024 Paper 2 Question 9, (3)

Change the subject of the formula  $f = \frac{2d+3}{e}$  to  $d$ .

2025 Paper 2 Question 9, (3)

Change the subject of the formula  $B = \frac{1}{4}kc^2 - 3c$  to  $k$ .