



National 5 Mathematics

Equations and Inequalities - Questions

Marks are indicated in brackets after each question number

2015 Paper 1 Question 2, (3)

Solve algebraically the inequality

$$11 - 2(1 + 3x) < 39$$

2016 Paper 1 Question 8, (3)

Solve the equation

$$\frac{2x}{3} - \frac{5}{6} = 2x.$$

Give your answer in its simplest form.

2017 Paper 1 Question 8, (3)

Solve, algebraically, the inequality

$$19 + x > 15 + 3(x - 2).$$

2018 Paper 2 Question 4, (3)

Solve, algebraically, the inequation

$$3x < 6(x - 1) - 12.$$

2019 Paper 1 Question 14, (3)

Solve the equation $\frac{x}{2} - 1 = \frac{3 - x}{5}$.



2023 Paper 1 Question 14, (3)

Solve, algebraically, the inequation $\frac{x+1}{3} - 2 > \frac{3x}{5}$.