

Equations & Inequalities

N5 Maths Exam Questions

Source: 2019 P1 Q14 N5 Maths

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

Answer: $x = \frac{16}{7}$

Source: 2018 P2 Q4 N5 Maths

(2) Solve, algebraically, the inequation
 $3x < 6(x-1) - 12$.

Answer: $x > 6$ or $6 < x$

Source: 2017 P1 Q8 N5 Maths

(3) Solve, algebraically, the inequality
 $19 + x > 15 + 3(x-2)$.

Answer: $x < 5$

Source: 2016 P1 Q8 N5 Maths

(4) Solve the equation

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

Give your answer in its simplest form.

Answer: $x = -\frac{5}{8}$

Source: 2015 P1 Q2 N5 Maths

(5) Solve algebraically the inequality

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

Answer: $x > -5$ or $-5 < x$

Source: Specimen P1 Q4 N5 Maths

(6) Solve the equation

$$2x^2 + 7x - 15 = 0.$$

Answer: $x = -5, x = 1.5$