

National 5 Mathematics

Exam Questions by Topic

Brackets, Equations & Inequations

Step-by-step worked solutions to these questions in the N5 Maths Study Pack.

11 - 2(1 + 3x) < 39	(3 marks)
2015 N5 Past Paper P1, Q4	
2. Multiply out the brackets and collect like terms $(x - 4)(x^2 + x - 2)$	(3 marks)
2014 N5 Past Paper P1, Q2	
3. Multiply out the brackets and collect like terms. (2x - 5)(3x + 1)	(2 marks)
2014 N5 Past Paper P2, Q11	
4. Change the subject of the formula $s = ut + \frac{1}{2}at^2$	(3 marks)
<u>2013 N5 Specimen P1, Q2</u>	
5. Multiply out the brackets and collect like terms $(2x + 3)(x^2 - 4x + 1)$	(3 marks)

N5 Maths Exam Questions by Topic

2015 N5 Past Paper P1, Q2

1. Solve algebraically the inequality

$(2x+3)(x^2-4x+1)$	(3 marks)
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2013 N5 Specimen P1, Q4

6. Solve the equation	
$2x^2 + 7x - 15 = 0$	(3 marks)





7. Change the subject of the formula
$$p = \frac{mv^2}{2}$$
 to v (3 marks)

2013 N5 Specimen P2, Q12

8. Find the range of values of p such that the equation	
$px^2 - 2x + 3 = 0$	(4 marks)

N5 Practice Paper A, P1, Q2

9. Factorise $x^2 + 2x - 15$	(2 marks)
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N5 Practice Paper A, P1, Q5

10. $P = R^3 b - 5$	
Change the subject of the formula to R	(3 marks)

N5 Practice Paper A, P2, Q3

11. Multiply out the brackets and collect like terms	
$(x+4)(2x^2+3x-1)$	(3 marks)

