

National 5 Mathematics

Exam Questions by Topic

# Brackets, Equations & Inequations

N5 Maths Exam Questions by Topic



# 2015 N5 Past Paper P1, Q2

1. Solve algebraically the inequality	
11 - 2(1 + 3x) < 39	(3 marks)
2015 N5 Past Paper P1, Q4	

<ol><li>Multiply out the brackets and collect like terms</li></ol>	
$(x-4)(x^2+x-2)$	(3 marks)

# 2014 N5 Past Paper P1, Q2

<ol><li>Multiply out the brackets and collect like terms.</li></ol>	
(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)
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# 2013 N5 Specimen P1, Q2

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

### 2013 N5 Specimen P1, Q4

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

N5 Maths Exam Questions by Topic

# 2013 N5 Specimen P1, Q8

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)