

Institute of Education

Mathematics Equivalence Test

Sample Papers

There are two papers, Non-calculator and Calculator, each worth 50 marks. These papers reflect the current National Curriculum and GCSE for England. You are assessed across the two papers.

Paper 2

You MAY use a calculator.

Time: 1 hour Answer all questions in the answer spaces. Show your working where relevant.

4	Use this list to complete the statements.										
	$\frac{4}{3}$	4	30%	$\frac{1}{4}$	0 · 4	3	$\frac{3}{4}$	4%	$\frac{1}{3}$	40	
	The reciprocal of 4 is A score of 18 out of 60 as a proportion is To work out 25% the multiplier is										
	The scale factor from 90 g to 30 g is								[4]		
											[4]



7	(a)	Complete this sentence.		
		The gradient of $y = 3x + 11$ is and the y -intercept is	S	[2]
	(b)	Rearrange $y = 3x + 11$ to make x the subject.		
			<i>x</i> =	[3]

8	Sha The	Shaun is making patterns with matchsticks and counters. The diagram shows Pattern 3 and Pattern 4.				
	(a)	Write down the ratio sticks : counters for the pattern. Give your answer in its simplest form.				
			[2]			
(b)	Corr	nplete these statements.				
		Pattern 10 has sticks.	[1]			

Pattern n



