

Topic Test 1 (20 minutes)

Basic percentages - Higher

1	Circle the fraction that is equivalent to 44%				
	4 9	11 25	<u>11</u> 20	<u>4</u> 11	
2	Arrange the following	values in order, star	ting with the smallest		
	0.7	<u>5</u> 8	66%	three-quarters	
					[2 marks]
		Answer			_
3	Which is the greater percentage				
	18 out				
	or 41 out	of 90?			[2 marks]
		Answer			_

4	A quantity is doub By what percenta Circle your answe				
	2%	50%	100%	200%	[1 mark]
	270	3373	10070	20070	
5	Each sliding door	ed by 2 sliding doors is 60% of the width re closed they overla	of the doorway.		
					Not drawn accurately
	What percentage	of the width of the do	oorway is the overlap?		
					[1 mark]
		Answer			%
6	Which of the follow	wing statements is d	efinitely false.		
	Tick your choice.				[1 mark]
	I blew the	balloon up to 120%	of its original size.		
	I ate 120%	of the cake.			
			ntities in the recipe to nto one for 6 people.		
		t of the sunflower mo			

7	40% of the trees in a wood are diseased. 75% of the trees in the wood are elms.				
	Work out the least possible percentage of trees in the wood that are diseased				
		Answer		<u></u> %	
8	'Sofas R Us' increases its prices by 10% and then reduced them by 5%. 'Sofa So Good' reduced its prices by 5% and then increased them by 10%				
8 (a)	Which shop increased its prices by the greater percentage? Circle your answer.				
tell	Sofas R Us	Sofa So Good	Both the same	Cannot	
8 (b)	Explain your choice.			[2 marks]	

)	A square has a side of 8 cm The area of the square increases by 50%	
	Work out the percentage increase in the length of the side.	[4 marks]
	Answer	%
10	<i>a</i> is 30% of <i>b b</i> is 90% of <i>c</i>	
	What percentage of c is a ?	[3 marks]
	Answer	%