

Topic Test 1 (20 minutes)

Basic probability - Higher

1	Temi rolls two fair, six-sided dice. The two numbers rolled are added to give a total.	
	Work out the probability that the total is a single-digit prime number.	marks]
	Answer	

2 84 people take a driving test.

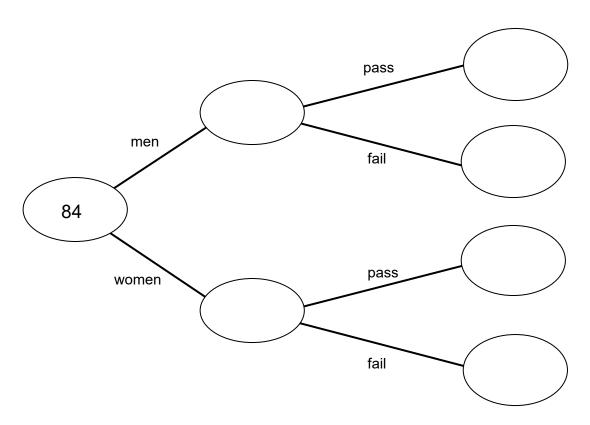
A quarter are men.

For the men, the ratio pass: fail = 5:2

The number of women who pass is double the number of women who fail.

2 (a) Complete the frequency tree.

[3 marks]



2 (b) One of the people is chosen at random

Work out the probability that it is a woman who passes. Give your answer as a fraction in its simplest form.

[2 marks	.]
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	The ratio Maths : Science = 2 : 3							
	H							
5 (a)	Complet	e the table.				[4 marka]		
						[4 marks]		
			Boys	Girls	Total			
		Maths						
		Science						
		Total			120			
5 (b)	A studer	nt is chosen at	random.					
	Work out the probability that it is a boy who has Maths.							
	Answer							
	Answer							

120 students have Maths or Science next lesson.

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