

**FOUNDATION TIER  
MINI PRACTICE EXAM 11**



**CALCULATOR ALLOWED  
20 MINUTES ALLOWED**

1.  
Charlie has a spinner with four sections – green, yellow, red and blue.  
The incomplete table below shows the probabilities of landing on each colour.

<b>Colour</b>	Green	Yellow	Red	Blue
<b>Probability</b>	0.24	0.21	0.3	

- (a) Complete the table. (1)
- (b) Charlie is going to spin the spinner 50 times.  
How many times would you expect him to land on green? (2)

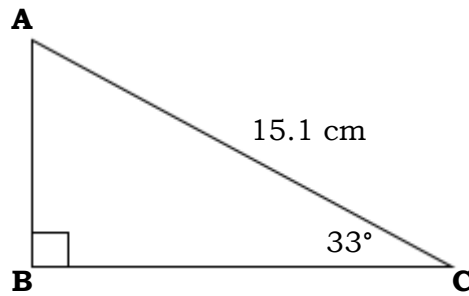
2.  
Donna weighs 65 kilograms, to the nearest kilogram.  
Write down an error interval for Donna's weight. (2)

3.  
The frequency table below shows the amount of minutes that 80 shoppers spent in a supermarket.

<b>Time (minutes)</b>	<b>Frequency</b>
$5 < x \leq 15$	12
$15 < x \leq 25$	25
$25 < x \leq 35$	22
$35 < x \leq 45$	18
$45 < x \leq 55$	3

- (a) Estimate the mean number of minutes spent in the supermarket. (4)
- (b) Explain why your answer to part (a) is an estimate. (1)

4.  
Find AB, to 2 significant figures.



(4)

5.  
A shop sells laptops and tablets from two manufacturers – Acer and Lenovo.  
The shop has 60 laptops in stock.  
Two fifths of the laptops are Acer laptops.  
60% of the Acer items are laptops.  
The shop has 55 Lenovo items in stock.

(a) How many items does the shop have in stock in total?

(4)

(b) What percentage of the items in stock are Acer tablets? Give your answer to the nearest percent.

(2)