


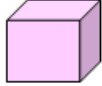













Name:		Date:													
<p><b>1</b> Increase 280 litres by 21%.</p> 	<p> MNU 407a Bronze Outcome 2</p> 														
<p><b>2</b> Calculate the surface area of this cube.</p>  <p>3.5 mm</p>	<p> MTH 411b Bronze Outcome 1</p> 														
<p><b>3</b> Solve the following equation.</p> $6x - 4 = 50 - 3x$	<p> MTH 415a Silver Outcome 1</p>														
<p><b>4</b> A pile of books weighs 6 pounds.</p>  <table border="1" data-bbox="475 1245 783 1402"> <thead> <tr> <th>Unit</th> <th>Abbrev.</th> <th>Metric</th> </tr> </thead> <tbody> <tr> <td>ounce</td> <td>oz</td> <td>28.35 g</td> </tr> <tr> <td>pound</td> <td>lb</td> <td>453.59 g</td> </tr> <tr> <td>stone</td> <td>st</td> <td>6.35 kg</td> </tr> </tbody> </table> <p>How many kilograms is this?</p>	Unit	Abbrev.	Metric	ounce	oz	28.35 g	pound	lb	453.59 g	stone	st	6.35 kg	<p> MNU 411a Gold Outcome 3</p> 		
Unit	Abbrev.	Metric													
ounce	oz	28.35 g													
pound	lb	453.59 g													
stone	st	6.35 kg													
<p><b>5</b> Before going on holiday, Mick changed £150 into euros, receiving €162 for his money.</p>  <p>His friend David changed £90 spending money into euros at the same exchange rate. How many euros did David receive?</p>	<p> MNU 408a Gold Outcome 1</p> 														
My score:															



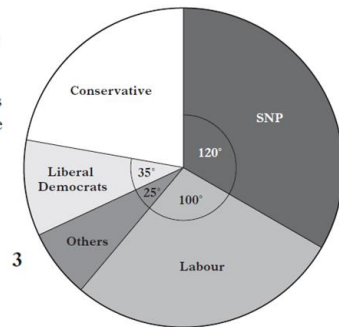
# Exam Questions

## Question 1:

A survey of 1800 first time voters was carried out.

The pie chart below shows how they would vote at the next election.

How many of the 1800 first time voters would vote Conservative?



MNU 420a Gold Outcome 1



## Question 2:

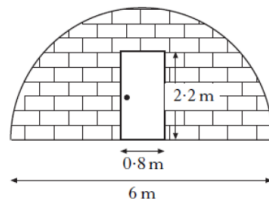
The diagram below shows a semi-circular wall with a door.

The door is a rectangle and is made of wood.

The rest of the wall is made of brick.

Calculate the area of brick wall in square metres.

Give your answer correct to one decimal place.

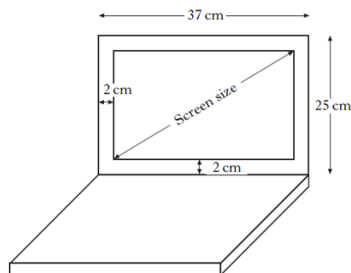


MTH 416b Gold Outcome 2



## Question 3:

The screen size of a laptop computer is the length of the diagonal from one corner of the rectangular screen to its opposite corner.



This laptop measures 37 centimetres by 25 centimetres as shown.

The frame around the screen has a width of 2 centimetres.

Calculate the screen size of this laptop.

Do not use a scale drawing.

4



MTH 416a Bronze Outcome 1



## Question 4:

A grass lawn is treated with weedkiller.

The lawn is split into twenty squares each of the same area.

Ten of the squares are treated with Weedclear.

Three weeks later the number of weeds in each of these squares is as follows:

3, 4, 6, 2, 1, 7, 2, 1, 1, 3.

(a) Find the median.

(b) Find the range.

The other ten squares are treated with Noweed.

For these squares the median is 2 and the range is 10.

(c) Make **two** comments comparing the number of weeds in squares treated with Weedclear and Noweed.

2

1

2



MTH 420b Silver Outcomes 1 & 3



My score: