



Name:		Date:													
<p>1 A horse weighs 973 lbs.</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse; text-align: center;"> <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>What is this weight in tonnes?</p>	Unit	Abbrev.	Metric	ounce	oz	28.35 g	pound	lb	453.59 g	stone	st	6.35 kg	MNU 411a Gold Outcome 3		
Unit	Abbrev.	Metric													
ounce	oz	28.35 g													
pound	lb	453.59 g													
stone	st	6.35 kg													
<p>2 Decrease €300 by 10%.</p>	MNU 407a Bronze Outcome 2														
<p>3 Calculate the length of the side marked x in the triangle below.</p> <div style="text-align: center; margin-top: 20px;"> </div>	MTH 416a Silver Outcome 1														
<p>4 The weather forecast predicts a 20 in 32 chance of sun in France.</p> <p>It also predicts a 42 in 60 chance of sun in Greece.</p> <p>Which is more likely?</p> <p>You MUST give a reason for your answer!</p>	MNU 422a Gold Outcome 1														
<p>5 How long did a police car take to travel 32 kilometres at an average speed of 80 kilometres per hour?</p>	MNU 410a Silver Outcome 4														
My score:															



Exam Questions

Question 1:

Multiply out the brackets and simplify

$$3(2t + 5) + 2(7 - t).$$

3



MTH 414a Silver Outcome 1

Question 2:

Carla is laying a path in a nursery school.



She is using a mixture of alphabet tiles and coloured tiles.

(a) Complete the table below.

2

Number of alphabet tiles (a)	1	2	3	4	5		12
Number of coloured tiles (c)	6	10					

(b) Write down a formula for calculating the number of coloured tiles (c) when you know the number of alphabet tiles (a).

2

(c) Carla uses 86 coloured tiles to make the path.

How many alphabet tiles will be in the path?

2



MTH 413a Bronze Outcome 1

Question 3:

Solve algebraically the inequality

$$8n - 3 < 37.$$

2



MTH 415a Bronze Outcome 1

Question 4:

Factorise

$$9c + 24.$$

2



MTH 414b Bronze Outcome 1

Question 5:

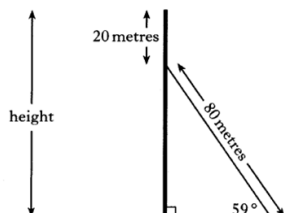
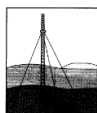
A television mast is supported by wires.

The diagram below shows one of the wires which is 80 metres long. The wire is attached to the mast 20 metres from the top and makes an angle of 59° with the ground.

Calculate the height of the mast.

Give your answer to the nearest metre.

Do not use a scale drawing.



5



MTH 416a Bronze Outcome 2



My score: