

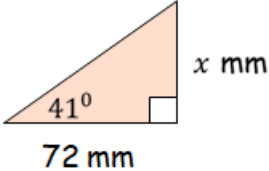














Name:	Date:												
<p>1 4 hamburgers cost £5.60. How much for 7 hamburgers?</p> 	<p> MNU 408a Bronze Outcome 1</p>												
<p>2 Calculate the length of the side marked x in the triangle below.</p> 	<p> MTH 416a Bronze Outcome 2</p> 												
<p>3 Calculate</p> $\sqrt[10]{1024}$	<p> MTH 406a Bronze Outcome 2</p> 												
<p>4 A milk float is travelling the 12.8 mile journey back to the depot. How long will it take to get there if its average speed is 8 miles per hour?</p> 	<p> MNU 410a Silver Outcome 4</p> 												
<p>5 The stem-and-leaf diagram below shows a group of people's ages at a rock concert.</p> <p><u>Ages of People</u></p> <table border="1"> <tbody> <tr><td>1</td><td>8 9</td></tr> <tr><td>2</td><td>2 5 8 9</td></tr> <tr><td>3</td><td>2 9</td></tr> <tr><td>4</td><td>2 2 6</td></tr> <tr><td>5</td><td>5 6</td></tr> <tr><td>6</td><td>3 4 6 8</td></tr> </tbody> </table> <p>Key:- 3 2 means 32 n = 17</p> 	1	8 9	2	2 5 8 9	3	2 9	4	2 2 6	5	5 6	6	3 4 6 8	<p> MNU 420a Silver Outcome 1</p> 
1	8 9												
2	2 5 8 9												
3	2 9												
4	2 2 6												
5	5 6												
6	3 4 6 8												
<p>What was the mean age?</p>													
<p>My score:</p>													



Exam Questions

Question 1:

(a) Complete the table below for $y = 5 - x$.

x	-4	0	3	9
y			2	

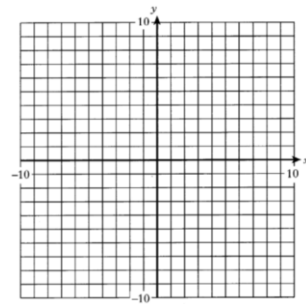
2

(b) Draw the line $y = 5 - x$ on the grid.

2

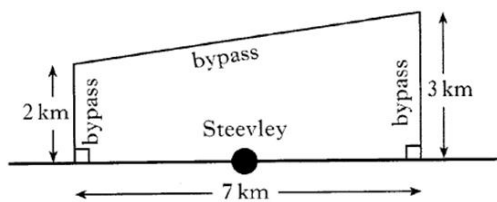


MTH 413d Silver Outcome 1



Question 2:

A bypass is being built to reduce the traffic passing through Steevley as shown in the diagram.



Calculate the total length of the bypass.

Do not use a scale drawing.

4



MTH 416a Bronze Outcome 1



Question 3:

Every morning for one week, Wellburch Council carried out a traffic survey at a busy junction.

The number of cars waiting to turn right at the junction was counted every five minutes between 8 am and 9 am.

On Monday morning the results were:



10 14 17 12 14 11 13 7 8 7 6 2.

Calculate:

(a) the median;

2

(b) the range.

2

On Saturday morning, the median was 6 and the range was 8.

(c) Make **two** comments comparing the number of cars waiting to turn right at the junction on Monday morning and Saturday morning.

2



MTH 420b Silver Outcomes 1 & 3

Question 4:

Last year the National Bank made a profit of £970 million.

Write this amount in standard form.

2



MTH 406b Silver Outcome 1

Question 5:

Solve algebraically the equation

$$8d + 7 = 5d + 58.$$

3



MTH 415a Silver Outcome 1

My score: