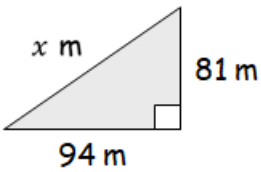
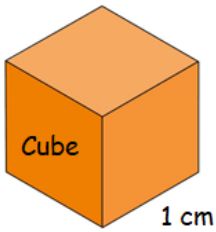
Name:	Date:
1 8 cans of cola cost £7·20. How much for 3 cans of cola?	MNU 408a Bronze Outcome 1
2 Calculate the length of the side marked x in the triangle below. 	MTH 416a Bronze Outcome 1
3 Calculate the volume of this prism. 	MTH 411c Bronze Outcome 1
4 In a school there are 288 pupils and 12 teachers. What percentage of people in the school are teachers?	MNU 407a Silver Outcome 3
5 How far did a man run in 1 hr 12 mins while maintaining an average speed of 6 miles per hour?	MNU 410a Silver Outcome 2
My score:	

Exam Questions

Question 1:

MTH 414a Silver Outcome 1

Multiply out the brackets and simplify

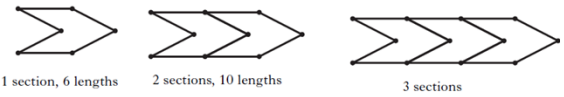
$5(2m + 7) - m.$ **2**

Question 2:

MTH 413a Bronze Outcome 1

Margaret is working on the design for a gold bracelet.

She is using gold lengths to make each section.



1 section, 6 lengths

2 sections, 10 lengths

3 sections

(*a*) Complete the table below. **2**

Number of sections (s)	1	2	3	4		10
Number of gold lengths (g)	6	10				

(*b*) Write down a formula for calculating the number of gold lengths, (g), when you know the number of sections (s). **2**

(*c*) Margaret uses 66 gold lengths to make a bracelet.
How many sections does this bracelet contain? **2**

Question 3:

MTH 414b Bronze Outcome 1

Factorise $36 + 8n.$ **2**

Question 4:

MTH 415a Silver Outcome 1

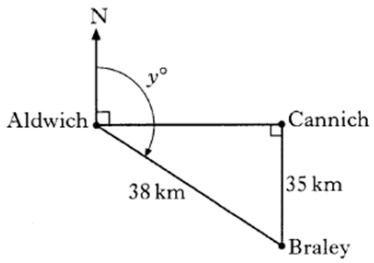
Solve algebraically the equation

$11a - 8 = 37 + 6a.$ **3**

Question 5:

MTH 416a Silver Outcome 2

The diagram shows the positions of three towns.
Braley is 38 kilometres from Aldwich.
Cannich is due east of Aldwich.
Braley is 35 kilometres due south of Cannich.



Calculate $y°$, the bearing of Braley from Aldwich.
Do not use a scale drawing. **4**

My score: