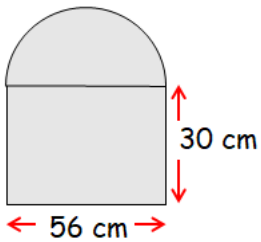
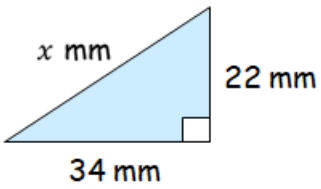
Name:	Date:
1 Decrease $40 by 66%.	MNU 407a Bronze Outcome 2
2 Calculate the perimeter of this shape. 	MTH 416b Gold Outcome 1
3 Calculate the length of the side marked x in the triangle below.  #	MTH 416a Bronze Outcome 1
4 A bag of sugar contains 4 oz. What is this weight in kilograms?	MNU 411a Gold Outcome 3
5 How far did a car travel in 3 hours 18 minutes when its average speed during this time was 50 miles per hour?	MNU 410a Silver Outcome 2
My score:	

Unit	Abbrev.	Metric
ounce	oz	28·35 g
pound	lb	453·59 g
stone	st	6·35 kg

Exam Questions

Question 1:

MTH 406b Silver Outcome 4

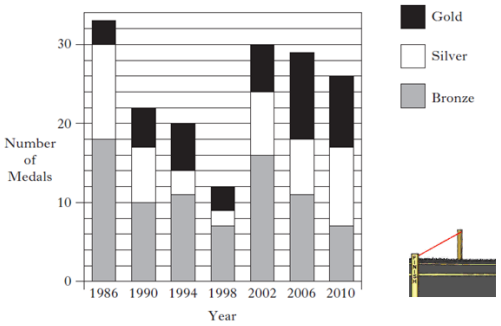
A particle is radioactive for $2{\cdot}3 \times 10^{-4}$ seconds.

Write this number in full. **2**

Question 2:

MNU 420a Bronze Outcome 1

The bar graph shows the number of medals won by Scotland at the Commonwealth Games since 1986.



(*a*) In which year were most **gold** medals won by Scotland? **1**

(*b*) How many **silver** medals did Scotland win in 1990? **1**

Question 3:

MTH 415a Silver Outcome 1

Solve algebraically the equation

$5y + 7 = 19 - y.$ **3**

Question 4:

MTH 416a Bronze Outcome 2

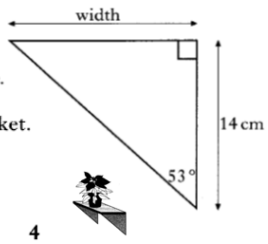
A rectangular shelf is supported by brackets as shown.

Each bracket is a right angled triangle.

Calculate the width of this bracket.

Give your answer correct to one decimal place.

Do not use a scale drawing. **4**



Question 5:

MTH 414b Bronze Outcome 1

Factorise $45 + 5a.$ **2**

My score: