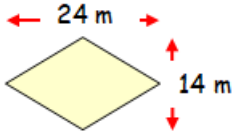
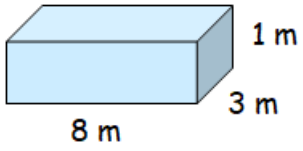
Name:	Date:
1 Divide 400 in the ratio of 3 : 2. 	MNU 408a Bronze Outcome 2
2 Calculate the area of this rhombus. 	MNU 411a Silver Outcome 1 
3 Decrease £400 by 60%. 	MNU 407a Bronze Outcome 2
4 Calculate the surface area of this cuboid. 	MTH 411b Silver Outcome 1
5 Tom is climbing a 27·5 metre climbing wall. He completes the first stage by climbing 6·8 metres. He then completes the second stage by climbing 9·53 metres. How much further does he still have to climb? 	MNU 403a Silver Outcome 1
My score:	

Exam Questions

Question 1:

MTH 314a Gold Outcome 2

Use the formula below to find the value of A when $b = 2{\cdot}4$ and $c = 5$.

$$A = 3bc^2$$ **3**

Question 2:

MTH 406b Silver Outcome 1

The distance from Earth to the Sun is approximately 150 million kilometres.

Write this number in standard form. **2**

Question 3:

MNU 410a Bronze Outcome 1

Paula runs a 1500 metre race at an average speed of 6 metres per second.

How long does she take to run the race?
Give her time in minutes and seconds. **3**

Question 4:

MNU 422a Gold Outcome 1

Black and white counters are placed in two bags as shown below.

Bag 1

Bag 2

One counter is selected at random from **each** bag.
Which bag gives a greater probability of selecting a black counter?
Explain your answer. 3

Question 5:

MTH 416b Gold Outcome 2

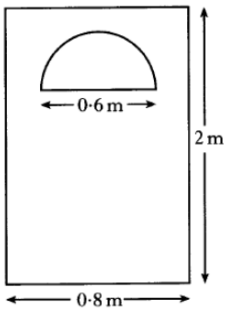
The diagram below shows a rectangular door with a window.

The window is in the shape of a semi-circle and is made of glass.

The rest of the door is made of wood.

Calculate the area of the wooden part of the door.

Give your answer in square metres correct to two decimal places. **5**



My score: