




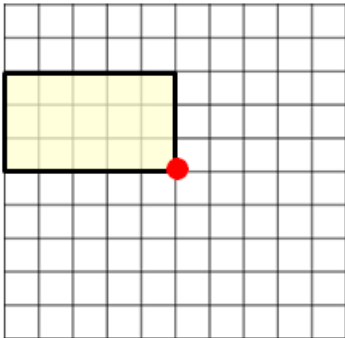
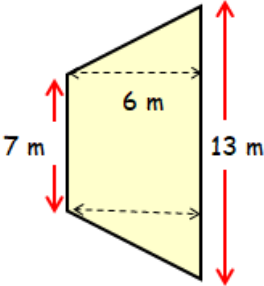


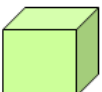





Name:	Date:
<p>1 Divide £300 in the ratio of 5 : 2 : 3.</p> 	<p> MNU 408a Silver Outcome 2</p>
<p>2 Calculate</p> $\sqrt[3]{16\,384}$	<p> MTH 406a Bronze Outcome 2</p> 
<p>3 Complete the shape opposite so that it has rotational symmetry of order 4 around the dot.</p>	<p> MTH 419a Gold Outcome 1</p> 
<p>4 Calculate the area of this trapezium.</p> 	<p> MNU 411a Gold Outcome 1</p> 
<p>5 Calculate the surface area of this cube.</p>  <p>9 cm</p>	<p> MTH 411b Bronze Outcome 1</p>
My score:	



Exam Questions

Question 1:

Use the formula below to find the value of T when $r = 2.6$ and $s = 1.4$.

$$T = \frac{rs}{r+s} \quad 3$$



MTH 314a Gold Outcome 2



Question 2:

A Sprinter train travels at an average speed of 144 kilometres per hour.

The train takes 1 hour 15 minutes to travel between Dingwall and Aberdeen.

Calculate the distance between Dingwall and Aberdeen. 2

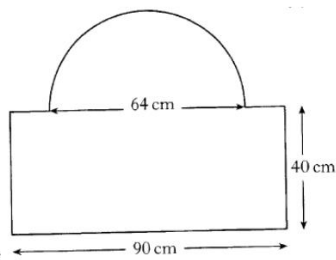


MNU 410a Bronze Outcome 1



Question 3:

This sign is in the shape of a rectangle and a semi-circle.



Calculate the area of the sign.
Give your answer to the nearest square centimetre. 5



MTH 416b Gold Outcome 2



Question 4:

The diameter of a red blood cell is 6.5×10^{-3} millimetres.

Write this number in full. 2



MTH 406b Silver Outcome 4

Question 5:

A college class consists of 8 male and 12 female students.

A student is chosen at random from the class.

What is the probability that the student is male?

Give your answer as a fraction in its simplest form. 2



MNU 422a Bronze Outcome 1

My score: