




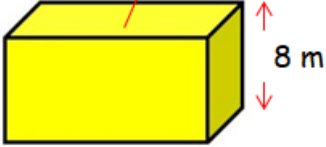









Name:		Date:																
<p><b>1</b> Apples are sold in bags of 7. How many apples are there in 203 bags?</p> 	<p> MNU 403a Bronze Outcome 1</p>																	
<p><b>2</b> How far did a plane travel in 5 hours 21 minutes when its average speed during this time was 300 kilometres per hour?</p> 	<p> MNU 410a Silver Outcome 2</p> 																	
<p><b>3</b> Calculate the volume of this prism.</p> <p>Area = 60 m<sup>2</sup></p> 	<p> MTH 411c Bronze Outcome 1</p>																	
<p><b>4</b> Picking a square number from: 4, 20, 25, 32, 36, 49. Choosing a prime number from: 10, 11, 14, 15, 17, 19, 24. Which is more likely? You <b>MUST</b> give a reason for your answer!</p>	<p> MNU 422a Gold Outcome 1</p> 																	
<p><b>5</b> Nicky goes for a 6 mile run.</p> <table border="1" data-bbox="477 1603 777 1803"> <thead> <tr> <th>Unit</th> <th>Abbrev.</th> <th>Metric</th> </tr> </thead> <tbody> <tr> <td>inch</td> <td>in or "</td> <td>2.54 cm</td> </tr> <tr> <td>foot</td> <td>ft or '</td> <td>30.48 cm</td> </tr> <tr> <td>yard</td> <td>yd</td> <td>91.44 cm</td> </tr> <tr> <td>mile</td> <td>mi or m</td> <td>1.61 km</td> </tr> </tbody> </table> <p>What is this length in centimetres?</p>	Unit	Abbrev.	Metric	inch	in or "	2.54 cm	foot	ft or '	30.48 cm	yard	yd	91.44 cm	mile	mi or m	1.61 km	<p> MNU 411a Gold Outcome 2</p> 		
Unit	Abbrev.	Metric																
inch	in or "	2.54 cm																
foot	ft or '	30.48 cm																
yard	yd	91.44 cm																
mile	mi or m	1.61 km																
My score:																		



## Exam Questions

### Question 1:

- (a) Find  $8.52 + 10.7$ . **1**
- (b) Find  $3.76 \div 8$ . **1**
- (c) Change 0.057 into a fraction. **1**
- (d) Find 90% of £320. **1**



MNU 303a Silver Outcome 1  
MNU 303a Bronze Outcome 4  
MNU 307a Gold Outcome 1  
MNU 307a Silver Outcome 3

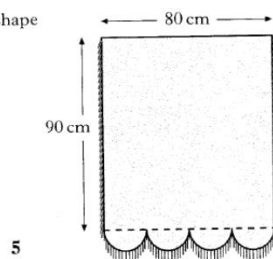
### Question 2:

This window blind is in the shape of a rectangle with four equal semi-circles at the bottom.

It has braid down the two sides and round the bottom.

Calculate the total length of braid needed for this blind.

Give your answer to the nearest centimetre.



MTH 4016b Gold Outcome 1



### Question 3:

Alan is growing a sunflower.

One week its height increased from 75 centimetres to 81 centimetres.

Calculate the percentage increase in the sunflower's height. **4**



MNU 407a Gold Outcome 3



### Question 4:

Use the formula below to find the value of  $I$  when  $P = 144$  and  $R = 4$ .

$$I = \sqrt{\frac{P}{R}}$$

**3**



MTH 314a Gold Outcome 2

### Question 5:

There are 2 yellow, 3 red, 1 blue and 4 orange cubes in a bag.

- (a) Jason takes a cube from the bag.  
What is the probability that it is orange? **1**

- (b) The cube is replaced in the bag and 3 white cubes are added to the bag.  
What is the probability that the next cube taken from the bag is **not** red? **2**



MNU 422a Bronze Outcome 1

My score: