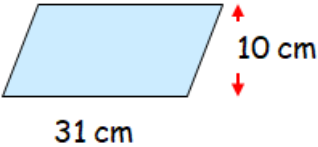




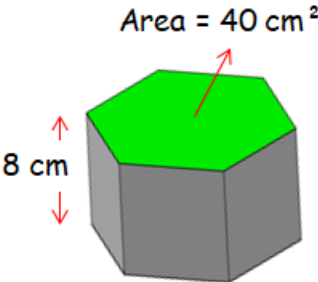











Name:	Date:
<p><b>1</b> Calculate the area of this parallelogram.</p> 	<p> MNU 411a Bronze Outcome 1</p>
<p><b>2</b> Organic bananas are sold in bags of 7. How many bags can be made from 304 bananas?</p> 	<p> MNU 403a Gold Outcome 1</p> 
<p><b>3</b> Calculate the volume of the prism below.</p> 	<p> MTH 411c Bronze Outcome 1</p>
<p><b>4</b> Max scored 29 out of 70 in a recent Science test. What was his percentage? Round your answer to the nearest percent!</p> 	<p> MNU 407a Bronze Outcome 3</p> 
<p><b>5</b> How far did a man run in 1 hr 18 mins while maintaining an average speed of 5 miles per hour?</p> 	<p> MNU 410a Silver Outcome 2</p> 
My score:	



## Exam Questions

### Question 1:

- (a) Find  $9 \cdot 22 - 5 \cdot 3$ . 1
- (b) Find  $528 \div 300$ . 1
- (c) Find 60% of 250. 1



MNU 303a Silver Outcome 2

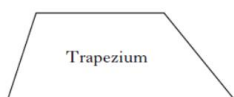
MNU 303a Gold Outcome 4

MNU 307a Silver Outcome 3

### Question 2:

The formula for the area of a trapezium is

$$A = \frac{1}{2}h(a + b).$$



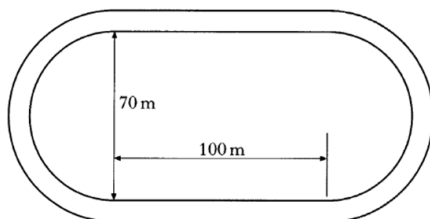
Find  $A$  when  $a = 11$ ,  $b = 7$  and  $h = 6$ . 3



MTH 314a Gold Outcome 2

### Question 3:

The diagram below shows a speedway track.



The straights are each 100 metres long.  
The bends are semi-circles as shown.  
Calculate the perimeter of the inside of the track. 4

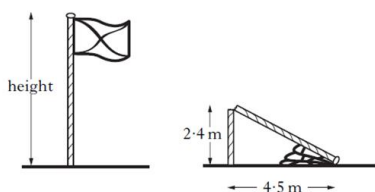


MTH 416b Gold Outcome 1



### Question 4:

A flagpole snaps and falls over into the position shown.



Calculate the height of the flagpole before it fell over.  
Do not use a scale drawing. 4



MTH 416a Bronze Outcome 1



### Question 5:

A bag contains 8 blue marbles, 5 red marbles and 2 yellow marbles.

- (a) A marble is taken from the bag.  
What is the probability that the marble is yellow?

1

- (b) This marble is put back in the bag.  
One red marble and one blue marble are then removed.

What is the probability that the next marble taken from the bag is blue?

2



MNU 422a Bronze Outcome 1

## My score: