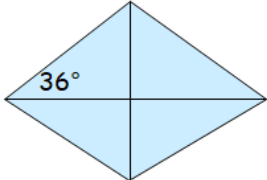

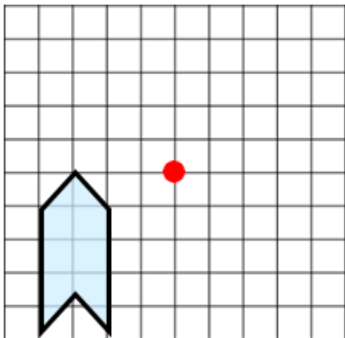











Name:	Date:
<p><b>1</b> Calculate and fill in all the missing angles in this quadrilateral.</p> 	<p> MTH 417a Bronze Outcome 1</p>
<p><b>2</b> Complete the shape opposite so that it has rotational symmetry of order 4 around the dot.</p> 	<p> MTH 419a Gold Outcome 1</p>
<p><b>3</b> Divide \$5400 in the ratio of 2 : 4 : 3.</p> 	<p> MNU 408a Silver Outcome 2</p>
<p><b>4</b> Corey scored 17 out of 49 in a recent computing test. What was his percentage to the nearest whole number?</p> 	<p> MNU 407a Bronze Outcome 3</p> 
<p><b>5</b> Calculate</p> $19 + (8 + 1)^2$	<p> MTH 403c Gold Outcome 1</p>
My score:	



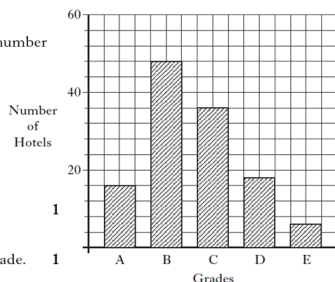
# Exam Questions

## Question 1:

The bar graph shows the number of hotels in Southbay awarded grades A to E by the local tourist board.

(a) How many hotels were awarded an A grade?

(b) Write down the modal grade.



MNU 420a Bronze Outcome 1

## Question 2:

The weights of two groups of ten people are to be compared. Listed below are the weights (in kilograms) of the ten people in group A.

64 71 73 66 69 78 77 75 76 71

(a) Find the median.

(b) Find the range.

(c) For the ten people in group B the median is 76 and the range is 20. Make **two** comments comparing the weights of the people in group A and group B.

2



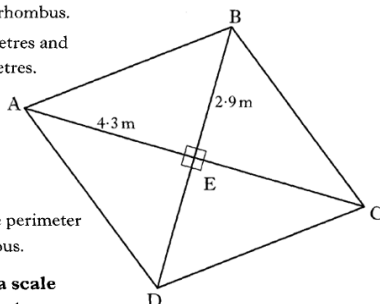
MTH 420b Silver Outcomes 1 & 3

## Question 3:

ABCD is a rhombus.

AE = 4.3 metres and

BE = 2.9 metres.



Calculate the perimeter of the rhombus.

**Do not use a scale drawing.**

4

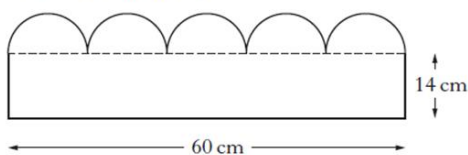


MTH 416a Bronze Outcome 1



## Question 4:

A section of lawn edging consists of a rectangle with five equal semi-circles at the top.



Calculate the area of the section in square centimetres. Give your answer correct to the nearest square centimetre.

5



MTH 416b Gold Outcome 2



## Question 5:

A car travelling at an average speed of 80 kilometres per hour takes 2 hours 45 minutes for the journey from Dundee to Inverness. Calculate the distance between the two towns.

2



MNU 410a Bronze Outcome 1



**My score:**