Name:	Date:

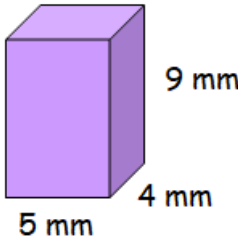|	
1 109 people turned up for the midnight premier of the new blockbuster. 97 people turned up to watch the next showing. How many people saw the film in the first two screenings?	MNU 403a Bronze Outcome 1
2 A lorry travels 342 miles over a time period of 5 hours 42 minutes. What was its average speed?	MNU 410a Silver Outcome 2
3 Decrease 35 kilograms by 20%.	MNU 407a Bronze Outcome 2
4 A boy weighs 7 st 4 lb. What does he weigh in kilograms?	MNU 411a Gold Outcome 3
5 Calculate the surface area of this cuboid. 9 mm, 4 mm, 5 mm	MTH 411b Silver Outcome 1

For question 4:

Unit	Abbrev.	Metric
ounce	oz	28·35 g
pound	lb	453·59 g
stone	st	6·35 kg

My score:

Exam Questions

Question 1:

A box contains 9 apples and 15 oranges.

A piece of fruit is chosen at random from the box.

What is the probability that an apple is chosen?

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

MNU 422a Bronze Outcome 1

Question 2:

The same mobile phone is sold in five different shops for the prices shown below.

£70   £77   £85   £93   £110

Calculate the mean price of the mobile phone.   **4**
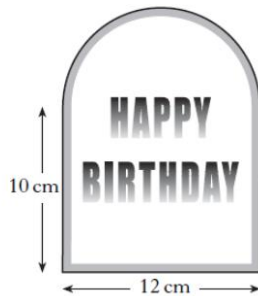
MTH 420b Bronze Outcome 2

Question 3:

The diagram below shows a birthday card.

The card consists of a rectangle and a semi-circle.

There is gold ribbon all round the border of the card.

Calculate the total length of gold ribbon needed for this card.

Give your answer to the **nearest centimetre**.   **5**

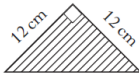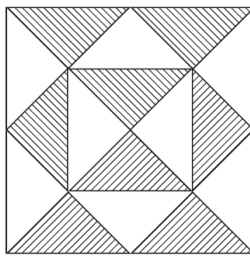HAPPY BIRTHDAY

10 cm

12 cm

MTH 416b Gold Outcome 1

Question 4:

Jo is making a patchwork cushion.

Each patch is a right-angled triangle with both short sides 12 centimetres long.

12 cm   12 cm

She makes the cushion by arranging the patches as shown.

Length

Calculate the length of the cushion.   **4**

Do not use a scale drawing.

MTH 416a Bronze Outcome 1

Question 5:

David asked twenty of his classmates how many books they had downloaded.

His results are shown below.

| 8 | 6 | 11 | 15 | 12 | 12 | 9 | 32 | 16 | 17 |
| 24 | 33 | 41 | 26 | 37 | 35 | 16 | 17 | 5 | 32 |

Construct an ordered stem and leaf diagram to display the results.   **3**

MTH 421a Silver Outcome 1

My score: