








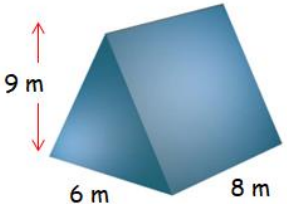





| Name: | | Date: | | | | | | | | | | | | | | | | |
|--|---------|---|---------|--------|------|---------|---------|------|---------|----------|------|----|----------|------|---------|---------|---|--|
| <p>1 Calculate</p> $6 \times (4 + 7)$ | | <p> MTH 403c Silver Outcome 1</p> | | | | | | | | | | | | | | | | |
| <p>2 The Stade De France's pitch is 82 yards wide.</p> <table border="1"> <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>How wide is this 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 Silver Outcome 2</p> <p></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>3 23 boxes of matches are emptied on to a table. There are now 897 matches on the table. On average, how many matches are in each box?</p>  | | <p> MNU 408a Gold Outcome 1</p> <p></p> | | | | | | | | | | | | | | | | |
| <p>4 Getting a red number on a roulette wheel or scoring a number greater than 19.</p> <p>Which is more likely?</p> <p>You MUST give a reason for your answer!</p> <p>*Note a roulette wheel is numbered 0-36.</p>  | | <p> MNU 422a Gold Outcome 1</p> <p></p> | | | | | | | | | | | | | | | | |
| <p>5 Calculate the volume of this prism.</p>  | | <p> MTH 411c Silver Outcome 1</p> | | | | | | | | | | | | | | | | |
| My score: | | | | | | | | | | | | | | | | | | |




Exam Questions

Question 1:

John and Steven are playing snooker. They play eight games.
Shown below are the number of points John scored in each game.

21 39 22 53 45 19 43 46

- (a) Find the median.  2
- (b) Find the range. 1
- (c) The median number of points Steven scored is 23 and the range is 15.
Make **two** comments comparing the number of points scored by Steven and John. 2



MNU 403a Silver Outcome 2

Question 2:

A factory produces 4000 widescreen televisions each valued at £950.



Calculate the total value of the 4000 televisions.

Give your answer in standard form.

3



MTH 406b Silver Outcome 1

Question 3:

Alison's garden is in the shape of a right angled triangle.

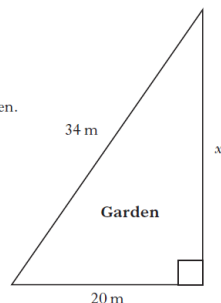
She measured two sides of the garden.

Calculate the length, x , of the third side of her garden.

Round your answer to one decimal place.

4

Do not use a scale drawing.

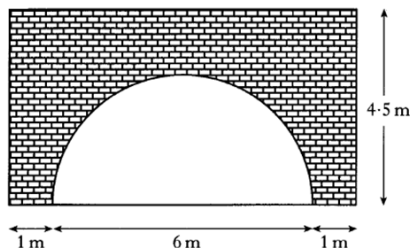


MTH 416a Silver Outcome 1



Question 4:

The diagram below shows the wall at the start of a tunnel.



The wall is in the shape of a rectangle with a semi-circular space for the tunnel.

Calculate the area of the wall in square metres.

Give your answer correct to one decimal place. 5



MTH 416b Gold Outcome 2



Question 5:

An aeroplane took off from Edinburgh at 0753 and landed in Shetland at 0908. The distance flown by the aeroplane was 295 miles.

Calculate the average speed of the aeroplane in miles per hour. 3



MNU 410a Bronze Outcome 1



My score: