



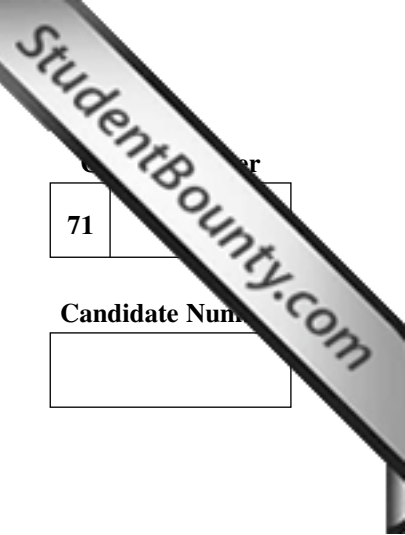
General Certificate of Secondary Education  
2009

## Mathematics

Module N1 Paper 1  
(Non-calculator)  
Foundation Tier  
[GMN11]



MONDAY 18 MAY  
1.30 pm – 2.15 pm



71	
Candidate Number	
<input type="text"/>	

### TIME

45 minutes.

### INSTRUCTIONS TO CANDIDATES

Write your Centre Number and Candidate Number in the spaces provided at the top of this page.

Write your answers in the spaces provided in this question paper.

Answer **all eleven** questions.

Any working should be clearly shown in the spaces provided since marks may be awarded for partially correct solutions.

You **must not** use a calculator for this paper.

### INFORMATION FOR CANDIDATES

The total mark for this paper is 44.

Figures in brackets printed down the right-hand side of pages indicate the marks awarded to each question or part question.

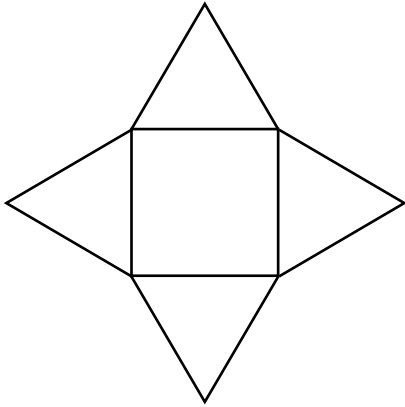
You should have a ruler, compasses, set-square and protractor.

For Examiner's use only	
Question Number	Marks
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
<b>Total Marks</b>	

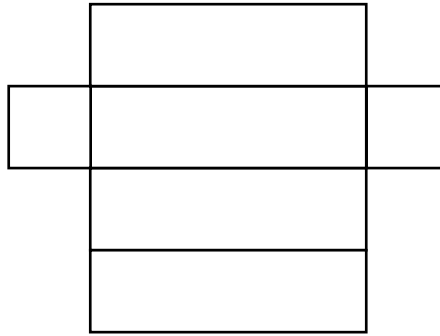
**BLANK PAGE**

- 1 (a) The nets of two solids are shown below.  
Name the solids, choosing from

**cylinder   triangular based pyramid   cone   cuboid**  
**cube   square based pyramid**



Net A

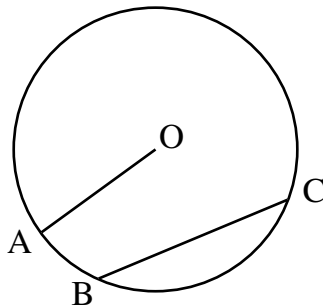


Net B

Answer Net A \_\_\_\_\_

Answer Net B \_\_\_\_\_ [2]

(b)



Complete the sentences below, choosing from

**diameter   sector   radius   chord   circumference   segment**

O is the centre of the circle and A is a point on the \_\_\_\_\_  
of the circle.

The line OA is the \_\_\_\_\_ of the circle.

The line BC is a \_\_\_\_\_ of the circle. [3]


Examiner Only	
Marks	Remark

- 2 90 pupils were asked which of the following ice-cream flavours they liked best. The first three rows of the pictogram are drawn below.

**Ice-cream flavour liked best**



- (a) 24 pupils liked Strawberry best.  
Complete the key:

 = \_\_\_\_\_ pupils [1]

- (b) How many pupils liked Honeycomb best?

Answer \_\_\_\_\_ [1]

- (c) Complete the row of the pictogram for Chocolate. [2]

- 3                                    12   13   14   15   16   17   18

From the list of numbers write down

- (a) the square number

Answer \_\_\_\_\_ [1]

- (b) the multiple of 9

Answer \_\_\_\_\_ [1]

- (c) the two numbers which are factors of 36

Answer \_\_\_\_\_ and \_\_\_\_\_ [1]

Examiner Only	
Marks	Remark



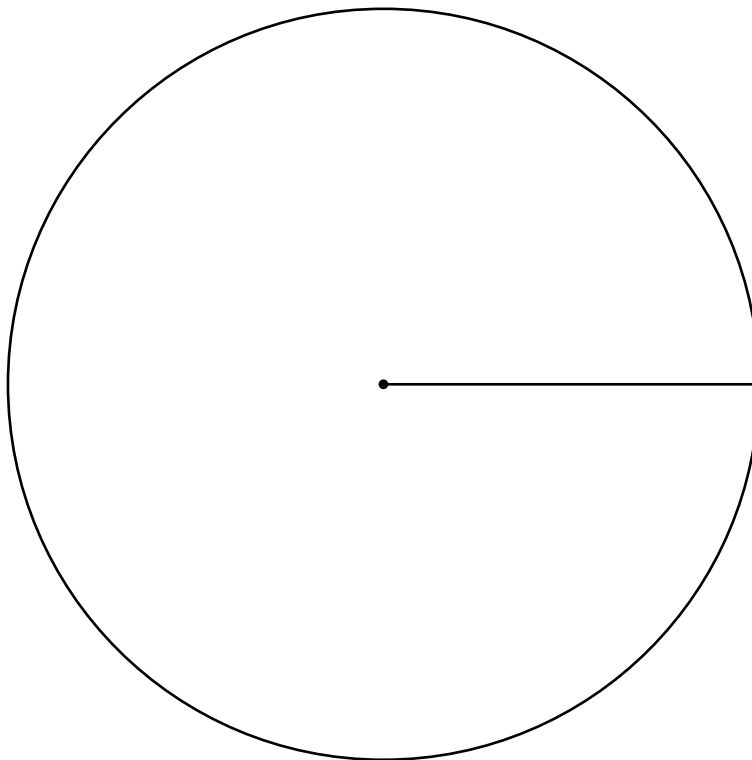




- 9 During a short period the colours of cars passing a school were noted. The results were as follows

Blue	15
Green	10
White	9
Black	5
Red	21

Draw a pie chart to illustrate this information.



[4]

Examiner Only	
Marks	Remark





11 (a) Calculate  $5^2 \times 2^3$

Answer \_\_\_\_\_ [2]

(b) Write  $\frac{7}{8}$  as a percentage.

Answer \_\_\_\_\_% [2]

Examiner Only	
Marks	Remark

---

**THIS IS THE END OF THE QUESTION PAPER**

---



