

**GENERAL CERTIFICATE OF SECONDARY EDUCATION
 MATHEMATICS C (GRADUATED ASSESSMENT)
 MODULE M2 – SECTION A**

M2

TUESDAY 11 MARCH 2008

Morning
 Time: 30 minutes

Candidates answer on the question paper
Additional materials (enclosed): None

Additional materials (required):
 Geometrical instruments
 Tracing paper (optional)



* C O P / T 5 7 5 9 6 *

Candidate Forename

Candidate Surname

Centre Number

Candidate Number

INSTRUCTIONS TO CANDIDATES

- Write your name in capital letters, your Centre Number and Candidate Number in the boxes above.
- Use blue or black ink. Pencil may be used for graphs and diagrams only.
- Read each question carefully and make sure that you know what you have to do before starting your answer.
- Show your working. Marks may be given for a correct method even if the answer is incorrect.
- Answer **all** the questions.
- Do **not** write in the bar codes.
- Write your answer to each question in the space provided.

INFORMATION FOR CANDIDATES

- The number of marks is given in brackets [] at the end of each question or part question.
- The total number of marks for this Section is **25**.



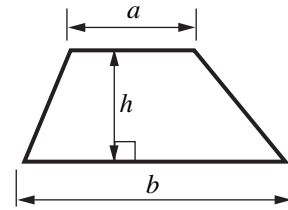
WARNING
 You are not allowed to use a calculator in Section A of this paper.

FOR EXAMINER'S USE	
SECTION A	
SECTION B	
TOTAL	

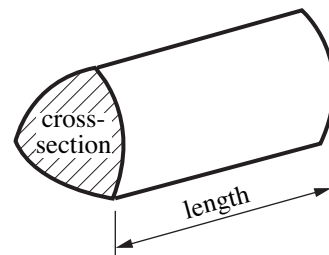
This document consists of **8** printed pages.

Formulae Sheet

$$\text{Area of trapezium} = \frac{1}{2}(a + b)h$$



$$\text{Volume of prism} = (\text{area of cross-section}) \times \text{length}$$



PLEASE DO NOT WRITE ON THIS PAGE

- 1 (a) Complete this multiplication table.

×	4	6	8
3	12		
		30	40

[2]

- (b) Work out.

$$53 \times 8$$

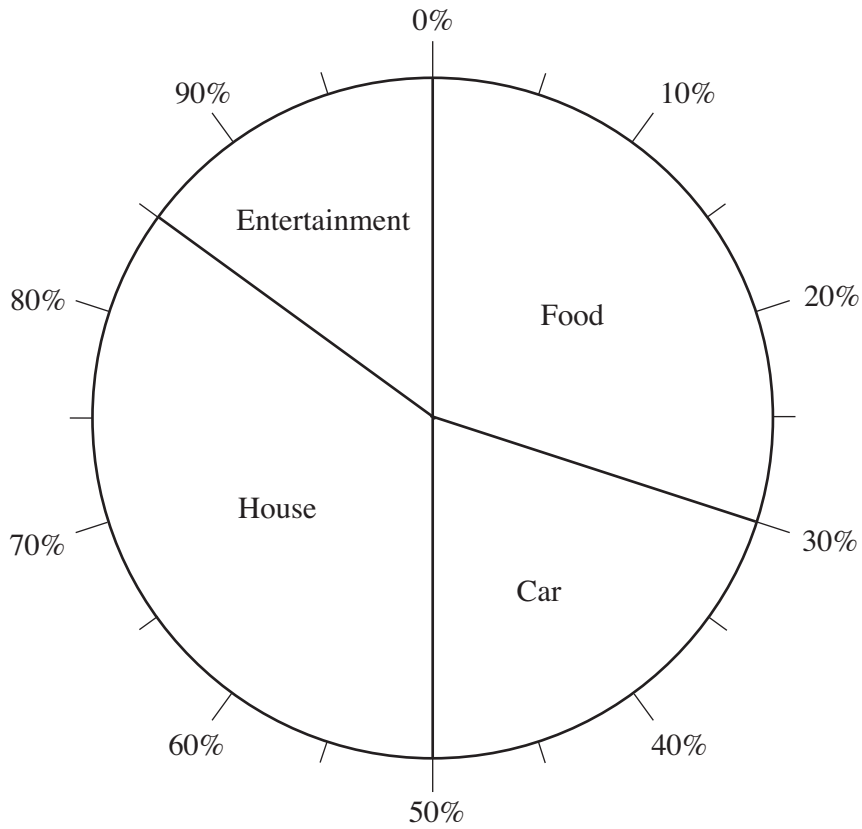
(b) [1]

- 2 The total cost of six pencils and one rubber is 87p.
The rubber costs 15p.

Work out the cost of one pencil.

..... p [3]

3 (a) The percentage scale shows how the Walters family spend their money.



(i) What percentage of their money do they spend on Food?

(a)(i)% [1]

(ii) What percentage of their money do they spend on Entertainment?

(ii)% [1]

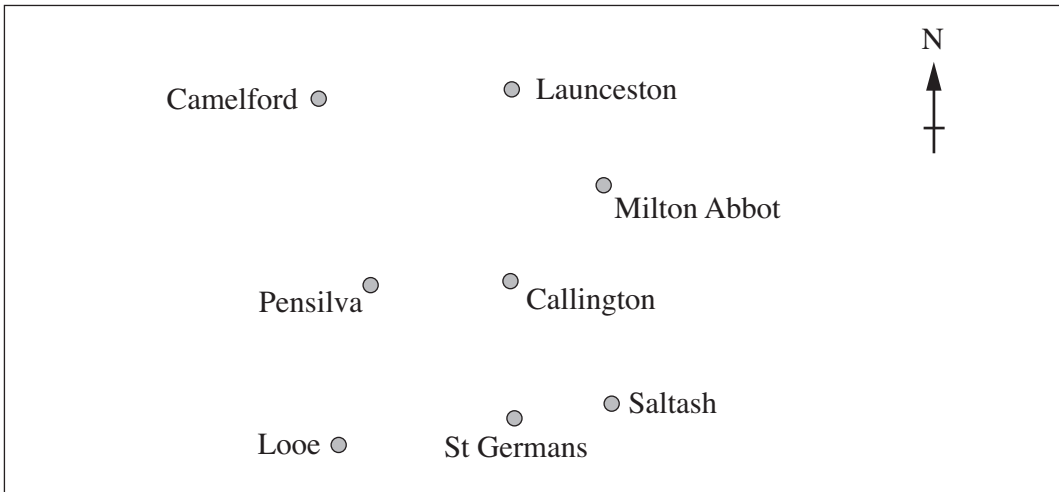
(b) (i) Write 25% as a fraction.

(b)(i) [1]

(ii) Work out 25% of £80.

(ii) £..... [1]

4 (a) The diagram shows the position of some towns in Cornwall and Devon.



(i) Which town is North West of Callington?

(a)(i) [1]

(ii) In which direction is Saltash from Callington?

(ii) [1]

(b) Below is a plan of Meadvale town centre.



Tina wants to walk from the Library to the Town Hall.

Complete these sentences to give her directions.

Come out of the Library, turn right into North Road.

At the T-junction turn into Fore Street,

then take the road on the

The Town Hall is on the left.

[2]

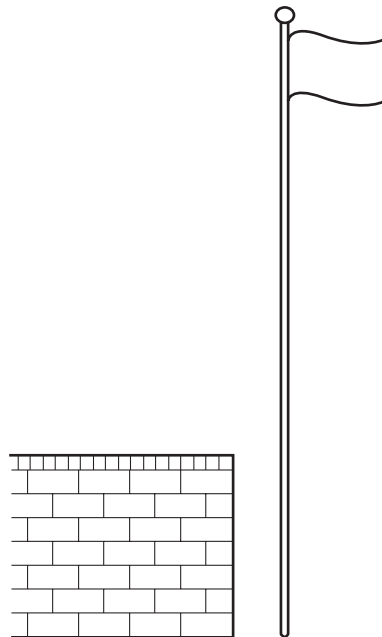
5 Complete Vanessa's shopping bill.

	£	p
5 kg of potatoes at 42p per kg	
2 cucumbers at 45p each	
$\frac{1}{2}$ kg of carrots at 36p per kg	
Total	_____	_____

[4]

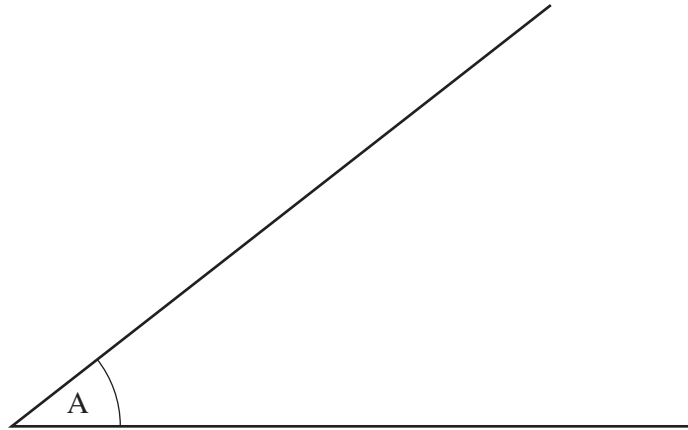
6 Here is a flagpole next to a wall.
The wall is 2 metres high.

Estimate the height of the flagpole
in metres.



..... m [1]

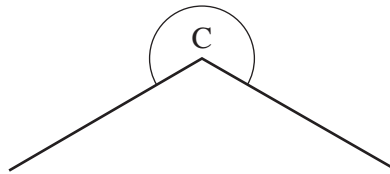
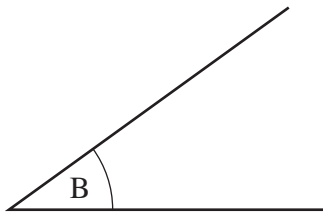
7 (a)



Measure the size of angle A.

(a)° [1]

(b)



Choose the best word from this list to describe each of these angles.

acute obtuse reflex right-angled

Angle B is

Angle C is

[2]

TURN OVER FOR QUESTION 8

8 The chart shows the bus fares between stops in Owlsvale.

	Pool			
£1.20		Blue Street		
£0.70	£0.85		Riverside	
£1.80	£1.20	£1.50		University
£0.60	£0.80	£0.70	£1.10	Wentworth Road

(a) What is the bus fare from Blue Street to Wentworth Road?

(a) £ [1]

(b) Jenny travels by bus from Pool to University and later from University to Riverside.

How much does she pay altogether?

(b) £ [2]

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