MATHEMATICS C (Graduated Assessment)

1966/2341

FOUNDATION TERMINAL PAPER - SECTION A

Monday

5 JUNE 2006

Afternoon

1 hour

Candidates answer on the question paper. Additional materials:

Geometrical instruments Pie chart scale (optional) Tracing paper (optional)

Candidate Name	
Centre	Candidate
Number	Number

TIME 1 hour

INSTRUCTIONS TO CANDIDATES

- Write your name, Centre number and candidate number in the boxes above.
- Answer all the questions.
- Use blue or black ink. Pencil may be used for graphs and diagrams only.
- Read each question carefully and make sure you know what you have to do before starting your
- In many questions marks will be given for a correct method even if the answer is incorrect.
- Do not write in the bar code.
- Do not write outside the box bordering each page.
- WRITE YOUR ANSWER TO EACH QUESTION IN THE SPACE PROVIDED. ANSWERS WELSEWHERE WILL NOT BE MARKED.

INFORMATION FOR CANDIDATES

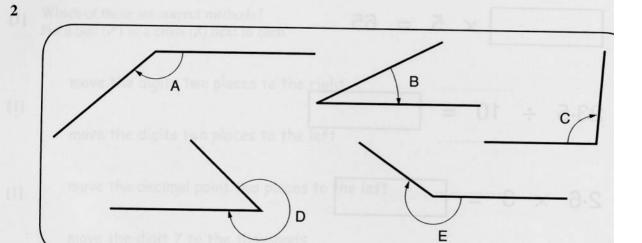
- The number of marks is given in brackets [] at the end of each question or part question.
- The total number of marks for this Section is 50.

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

FOR EXAMI	NEF
Section A	
Section B	
TOTAL	

- (b) $23 \bullet = 10$
- (c) $5 \times \spadesuit = 45$
- (d) \blacksquare ÷ 2 = 7

- (b)
- (c)
- (d)



(a) Put these angles in order of size, smallest first.

smallest

(b) Which angle is closest to 90°?

(b)

(c)
$$\times$$
 5 = 65

(d)
$$23.5 \div 10 =$$

(f)
$$\frac{1}{4}$$
 of 84 =

(b)	5 + x = 2	n
(0)	3 + 1 - 2	U

(c)
$$7 - x = 4$$

5 Rachel wants to multiply 74.53 by 100.

Which of these are correct methods? Put a tick (\checkmark) or a cross (x) next to each.

put two zeros after the 3

move the digits two places to the right	
move the digits two places to the left	ve Vork 10
move the decimal point two places to the left	natgrittiriW avi anot endeditori kanotesanori avi
move the digit 7 to the thousands, the digit 4 to the hundreds, and so on	
the digit 4 to the hundreds, and so on	

Otean Opecial		YORK TO	Birmingham	
	Adult	Child	Senior citizen	Club member
First class	£70	£45	£55	£35
Second class	£50	£35	£42	£25

Complete the bill for the tickets.

Total	c Vabratism team
2 child tickets (second class)	£
1 adult ticket (second class)	£ 50

(b) Paul records these times.

Leave York	1706	
Arrive Whittington Leave Whittington	18 35 19 02	Fill up with water
Arrive Humberstone Road Leave Humberstone Road	20 29 20 53	Fill up with water
Arrive Birmingham	2234	

(i) How long does the journey take from York to Birmingham?

(b)(i)		hauma	
(0)(1)	***************************************	nours	mi

(ii) The train stops twice to fill up with water.

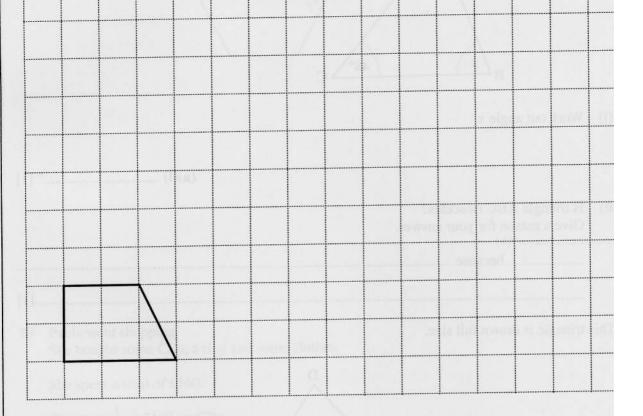
Which stop is the longer, Whittington or Humberstone Road? By how many minutes? You must show all your working.

			(c)(i)
(ii) She packs plen	ity of sandwiches.		
	egg ham tuna		
Paul eats two s			
	the different pairs of sa en started for you.	indwiches he could	eat.
	•		
	egg	egg	medit L
		E to slotthis	a last fil
You may	desirio i		
not need all 5			
the times.			win the number.
			17
			and the second second second
	(8)	quite ym to amon sn	t a tody
	6	os A aqual sides.	n 12
		os 4 aqual sides. site anales are eque	n 12 qo sulfi
	£	os A aqual sides.	n 12. n qo auti
	<u> </u>	esta anupa A co site angles ans equa pounis ans not equal	n tž sqo aulti sub SutT
	<u> </u>	as A equal bides. site angles are eque ponals are not equal line shape.	n 12 qo sulfi
	E E	esta anupa A co site angles ans equa pounis ans not equal	n tž sqo aulti sub SutT

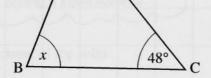
2 pineapple

	Write down the name of the solid.	
		(a)
)	Angus says	
	What is my fraction?	
	It is equal to 75%.	
	Write down the fraction.	
		(b)
	Lisa says	
	What is my number?	
	It is between 10 and 50. { It is a square number.	
	It is a multiple of 3.	
	Write down the number.	
	write down the number.	
		(c)
	Angus says	
	(What is the name of my shape?)	
	It has 4 equal sides. The opposite angles are equal.	
	The diagonals are not equal.	
	Write down the name of the shape.	
		(d)

joining 6 equal squares.



Draw an enlargement of this shape. Use a scale factor of 3.



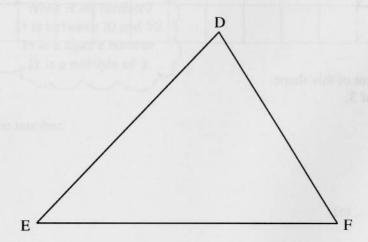
(a) (i) Work out angle x.

(a)(i)

(ii) Is triangle ABC isosceles? Give a reason for your answer.

...... because

(b) This triangle is drawn full size.



Make some suitable measurements. Use them to work out the area of this triangle.

(b)

			(c)
0	Paula went shopping.		
	She bought some CDs, a	ring and some clothes.	
	She spent a total of £160	WRITE ON THIS PAGE	
	She spent $\frac{1}{5}$ of £160 on C		
	She spent $\frac{3}{8}$ of £160 on t	he ring.	
	She spent $\frac{3}{8}$ of £160 on the Heavy much managed did sh		
	She spent $\frac{3}{8}$ of £160 on the How much money did sh		
		ne spend on clothes?	
	How much money did sh		
	How much money did sh	ne spend on clothes?	
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