

Surname					Other Names				
Centre Number					Candidate Number				
Candidate Signature									


General Certificate of Secondary Education  
June 2004



**MATHEMATICS (MODULAR) (SPECIFICATION B) 33003/FB**  
**Module 3 Foundation Tier Section B**

**F**

Wednesday 30 June 2004 9.45 am to 10.25 am

<p><b>In addition to this paper you will require:</b> mathematical instruments. You must <b>not</b> use a calculator.</p>	
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Time allowed for Section B: 40 minutes

**Instructions**

- Use blue or black ink or ball-point pen. Draw diagrams in pencil.
- Fill in the boxes at the top of this page.
- Answer **all** questions in the spaces provided.
- Do all rough work in this booklet.
- You may **not** use your calculator in Section B. Your calculator must remain on the floor under your seat.
- When you have answered Section B you may work again on Section A but you may **not** use your calculator. It must remain on the floor under your seat.
- At the end of the examination tag Section A and Section B together with Section A on top.

**Information**

- The maximum mark for Section B is 32.
- Mark allocations are shown in brackets.
- Additional answer paper will be issued on request and must be tagged securely to this answer booklet.

**Advice**

- In all calculations, show clearly how you work out your answer.

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Answer **all** questions in the spaces provided.

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- 10** (a) (i) Write 7483 in words.

Answer .....

.....  
(1 mark)

- (ii) Write 7483 to the nearest 1000.

Answer ..... (1 mark)

- (b) From the list of numbers

2    11    17    29    39    58    71

write down

- (i) two numbers which have a sum of 60,

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.....  
.....

Answer ..... (1 mark)

- (ii) two numbers which have a difference of 10.

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Answer ..... (1 mark)

11 Bill buys a number of pairs of socks.  
Each pair of socks costs £2.19

(a) How many pairs of socks can Bill buy for £10?

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Answer ..... (2 marks)

(b) Bill buys this number of socks and pays with one £10 note.  
How much change does Bill receive?

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Answer £ ..... (2 marks)

(c) This change is given using the smallest number of coins possible.  
How is the change given?

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Answer ..... (1 mark)

Turn over ►

**12** The table shows the height of five places above or below sea level.

Lake Superior	600 feet	above
Dead Sea	1200 feet	<b>below</b>
Lake Victoria	3720 feet	above
Ysselmeer	25 feet	<b>below</b>
Lake Constance	1299 feet	above

(a) Write down the name of the highest place listed.

.....

Answer ..... (1 mark)

(b) Write down the name of the lowest place listed.

.....

Answer ..... (1 mark)

**13** An aeroplane left Manchester airport at 8.35 am and flew to Lisbon.  
The local time in Manchester and in Lisbon is the same.  
The flight took 2 hours 40 minutes.

What was the time when the aeroplane arrived in Lisbon?

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Answer ..... (2 marks)

14 Four melons cost £4.28

How much will five melons cost?

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Answer £ ..... (3 marks)

15 (a) Work out  $394 \times 62$

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Answer ..... (3 marks)

(b) (i) Write 34.2497 to 1 decimal place.

Answer ..... (1 mark)

(ii) Write 34.2497 to 3 decimal places.

Answer ..... (1 mark)

(c) Work out  $\frac{3}{5} - \frac{1}{3}$

.....  
.....

Answer ..... (2 marks)

Turn over 

- 16 (a) While in the USA, John pays \$30 for a pair of trainers.  
The exchange rate is \$1.50 to £1.

Calculate the cost of the pair of trainers in £.

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Answer £ ..... (2 marks)

- (b) John also buys an ink cartridge which costs \$25.  
He has to pay a tax of 6% which is added onto this cost.

Calculate the total cost of the ink cartridge in \$.

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Answer \$ ..... (3 marks)

17 (a) Kim buys 71 stamps which cost 19 pence each.

By using suitable approximations, **estimate** the total cost of the stamps.  
You **must** show your working.

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Answer £ ..... (2 marks)

(b) Liz has 40 postage stamps.  
The ratio of the number of first class stamps to the number of second class stamps  
is 1 : 4.

How many second class stamps does Liz have?

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Answer ..... (2 marks)

**END OF QUESTIONS**

**THERE ARE NO QUESTIONS PRINTED ON THIS PAGE**