Centre Number			Candidate Number			
Surname						
Other Names						-
Candidate Signature						



General Certificate of Secondary Education Foundation Tier June 2014

4365/1F

Mathematics (Linear)

Paper 1

Monday 9 June 2014 9.00 am to 10.15 am

For this paper you must have:

• mathematical instruments.

You must not use a calculator

Time allowed

• 1 hour 15 minutes

Instructions

- Use black ink or black ball-point pen. Draw diagrams in pencil.
- Fill in the boxes at the top of this page.
- Answer all questions.
- You must answer the questions in the spaces provided. Do not write outside the box around each page or on blank pages.
- Do all rough work in this book.

Information

- The marks for questions are shown in brackets.
- The maximum mark for this paper is 70.
- The quality of your written communication is specifically assessed in Questions 2 and 16. These questions are indicated with an asterisk (*).
- You may ask for more answer paper, tracing paper and graph paper. These must be tagged securely to this answer book.

Advice

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

For Examiner's Use					
Examine	Examiner's Initials				
Pages	Mark				
3					
4 – 5					
6 – 7					
8-9					
10 – 11					
12 – 13					
14 – 15					
16 – 17					
18 – 19					
20 – 21					
22 – 23					
TOTAL					

















Answer £

Turn over for the next question



This is a bill for coffee and buns. The bill has coffee spilt on it.

Coffee 2 × £1.30 £2.60 Buns × 80p Total £5.00

How many buns were bought? You must show your working.	[3 marks]
Answer	



Do not write outside the box

4	Rash	id writes	s down s	ome mu	Itiples of	3 and 4				
	3	6	9	12	15	18	21	24	27	
	4	8	12	16	24	28				
4 (a)	He no	otices th	at 12 ar	nd 24 are	in both l	ists.				
	What	will be	the next	number	that is in	both lists	\$?			
										[1 mark]
			Ar	iswer						
4 (b)		0 in botł a box.	n lists?							
		Yes				No				
	Give	a reaso	n for you	ır choice						[1 mark]
				Turn ov	ver for th	ie next q	uestion			



Turn over ►

Work out 147 + 625 5 (a) [1 mark] Answer 5 (b) Work out 305 - 129 [1 mark] Answer 5 (c) Work out 50 imes 14[1 mark] Answer Work out 1000 ÷ 25 5 (d) [1 mark] Answer



6 (a)	Tyra has 38 counters. She puts an equal number of counters into five bags. She has 3 counters left over.
	How many counters are in each bag? [2 marks]
	Answer
6 (b)	She now puts an equal number of the 38 counters into six bags.
	What is the least number of counters that will be left over? [1 mark]
	Answer
6 (c)	She now puts the 38 counters into some bags so that
	Each bag has an equal number.
	There are no counters left over. There are more than 10 counters in each bag.
	Work out the number of bags and number of counters in each bag. [1 mark]
	Number of bags
	Number of counters in each bag

Turn over ►











Here is a part of a pattern of calculations.

Fill in the missing numbers.





9	One week Ruben was paid £210 He spends £90	
	He saves $\frac{1}{4}$ of the rest.	
	How much money did he save?	[3 marks]
	Answer £	
10	Write down a sensible unit to measure each of the following.	
10 (a)	The amount a bus weighs.	[1 mark]
		[]
	Answer	
10 (b)	The length of a fingernail.	[1 mark]
		[]
	Answer	











WMP/Jun14/4365/1F









*16	A shop sells DVDs and CDs. DVDs are sold at one price. CDs are sold at a different price. 2 DVDs and 1 CD cost £35 2 DVDs and 2 CDs cost £45
	Martin has £50
	Does he have enough to buy 1 DVD and 3 CDs? You must show your working. [5 marks]



Write down four c	lifferent numbers that	have				
a med and a rang	ian of 5 e of 7					
Put the numbers	Put the numbers in order.					
				[2 n		
	Answer ,	,	,			
The table shows	the scores of 20 stude	ents in a test.				
Score	Frequency]				
7	6	-				
8	9					
9	4					
10	1					
Tota	I 20					
		L				
Work out the mea	an score.			[3 r		
	Answer					

Turn over ►











19	John goes to work by car or by train.	
19 (a)	The probability that John goes by car is 0.4	
	Work out the probability he goes by train.	[1 mark]
	Answer	
19 (b)	John works for 200 days each year.	
	How many days would you expect him to go to work by car?	[2 marks]
	Answer	
19 (c)	Ben also goes to work by car or by train. Out of 200 days, he went by car on 150 days.	
	Work out the relative frequency that Ben goes to work by car.	[1 mark]
	Answer	



20 (a)	Work out the Highest Common Factor (HCF) of 24 and 42 [2 marks]
	Answer
20 (b)	As a product of prime factors $36 = 2^2 \times 3^2$
	Write 48 as a product of prime factors. [2 marks]
	Answer
	END OF QUESTIONS





