THE LIVERPOOL BLUE COAT SCHOOL

EXEMPLAR MATERIAL

MATHEMATICS

ATE OF BIRTH:	 ·	
.g. 10.9.03		
ANDIDATE NUMBER:		
.g. 0007		
<u> </u>		
.g. 0007		

PLEASE CHECK THAT YOU HAVE 4 PAGES

- Calculators must not be used during this examination.
- Attempt as many questions as you can.
- Write each answer on the question paper in the space provided using a pen.
- You are advised to show all of your working out for each question in the space provided on the question paper.

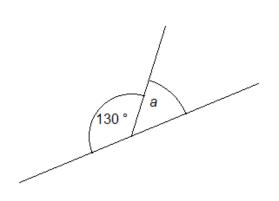
Do your best to finish in the time allowed

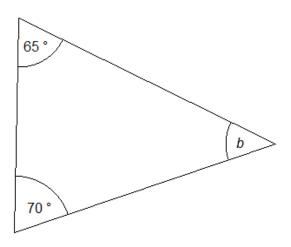
PLEASE NOTE THAT THIS IS NOT A FULL TEST PAPER

1	Look at thi	s list of	numbe	rs:							
	1	2	3	4	5	6	7	8	9	10	
	From thes	e numb	ers writ	e down	1						
	a) two fac	tors of	15								
											(2 marks)
	b) two squ	uare nu	mbers								
											(2 marks)
2	Find the va	alue of									
	a) 0.7 × 6										
											(2 marks)
	b) 413 ÷ 7	7									
											(2 marks)
							_				
3	I am thinki 56. What						nis nun	nber by	3 and	then add	I5, I get
	Jo. What	13 110 11	idilibei i	am un	riikirig	OI:					
											 (2 marks)
											· /
4	2 ⁴ means	2 × 2 ×	2 × 2 9	So 24 -	16						
7	Find the va			JU Z –	10.						
	i iiiu liie Va	aiu c Ul	J .								
											 (2 marks)

5	Fill in	the next t	wo numbers ir	n each of the fo	ollowing sequ	iences:	
	a) 2,	6, 10,	14,,	_			
	b) 2,	6, 18,	54,,	_			
							(4 marks)
6		e each of the as possib		a fraction. Yo	ou should car	ncel your fractio	n down as
	a) 30	0%					
	b) 0.	.28					
							(4 marks)
7		e each of the ning with th		ts of numbers	in order, star	ting with the sn	nallest and
	a)	0	-3	4	-6	2	
	b)	3.2	0.33	0.308	1.31	0.317	
							(4 marks)
8				ions try and fir answers are v		ue of the numb	er shown by
	a) 13	3 + 📤 = 17	7				
						♣ =	
	1.) 0		4.0				(1 mark)
	b) 3	× ♣ + 1 =	10			•	
						♣ =	(2 marks)
	c) 18	3 – 2 × ♣ =	= 11				
						♣ =	
							(3 marks)

9 Find angles *a* and *b* in the following diagrams:





a = ____

b = ____

(2 marks)

10 The table below shows the distances between 3 cities.

Liverpool		
210 miles	London	
35 miles	200 miles	Manchester

a) How far is it from Liverpool to Manchester?

	(1	mark)

b) I drive from Liverpool to Manchester and then to London. How much further is this than driving from Liverpool straight to London?

(2 marks