## B

## BROAD EXAMINATIONS®

## P.7 MATHEMATICS EXAMINATION TRIAL SET I TERM I - 2023

Time allowed: 2 hours 30 minutes.			
Candidate's Name:	miNa	adainma	
Candidate's Signature.		(0.2)	
School Name:		ind K cl	۹,
Read the following instructions carefully:			
This paper is made up of two sections: A and B.	TURN SERVE	ISE ONLY	1
Section A has 20 questions (40 Marks).	PAGES	MARKS	SIGN
Section B has 12 questions (60 Marks).	Page 2		
Answer ALL questions in both sections A and B.			
All answers must be written in the space provided in	Page 3		
blue or black ball point pens and ink. Only diagrams should	Page 4	vo stol	
be done in pencil.	Page 5		
Unnecessary crossing of answers will lead to loss of marks.  Any handwriting, which cannot be easily read, may lead to	Page 6		
loss of marks.	Page 7	T Card	
Do not fill anything in the boxes indicated for	Page 8	ediba	
kaminers' use only.	TOTAL		

Teacher's comment to the learner

Approved by:

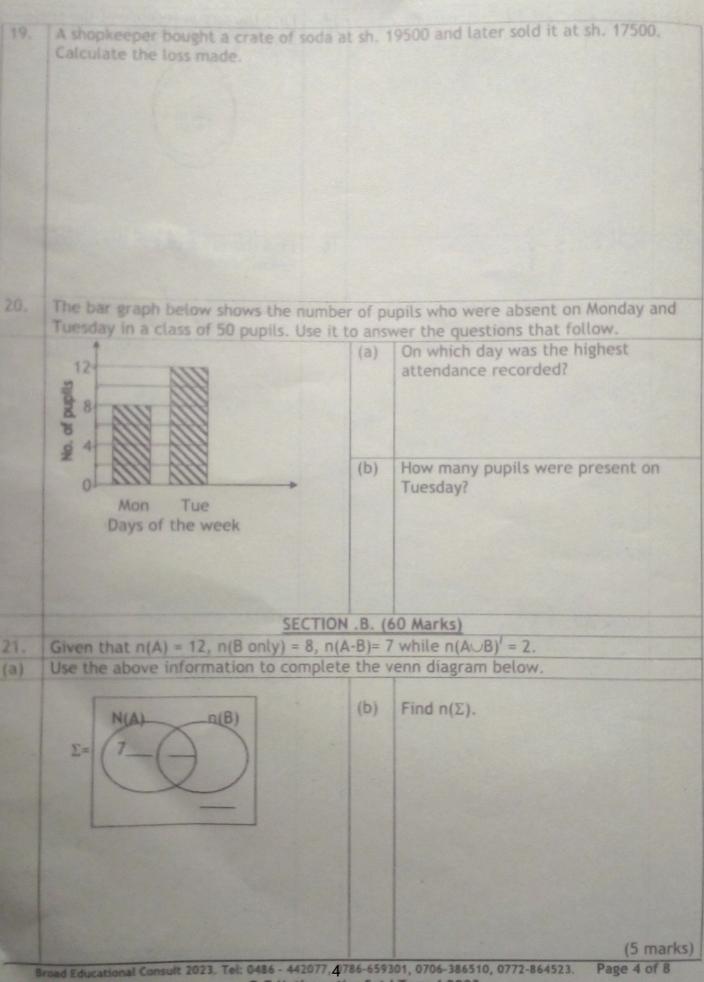
STAP P

Team Head Mathematics Dept.

-	SECTION .A.	(40 A	Marks)
1.	Write the place value of 3 in 2 3 4.	2.	Work out; 2 3 9 +5 4 8
3.	Given that; K = {m, o, n, d, a, y}, L = {t, u, e, s, d, a, y} Find K ∩L.	4.	Expand 2706 using exponents.
5.	Find the next number in the sequence 1, 3, 6, 10, 15,	L Dan	Which integer is 4 steps to the left of 1?
7.	Work out the area of a square garden whose side is 14m.	8.	Using a ruler, a pencil and a pair of compasses only, construct an angle of 90°.
9.	Given that a = 3, b = -2 and c = 6, find the value of <u>ac</u> .  b	10.	In a line of girls, Barbra is the 7 <sup>th</sup> from either side. How many girls are in the line?
11.	Given that n(P) = 5. Find its number of subsets.	12.	A lorry covered 120km in 2½ hours. At what speed was it moving?

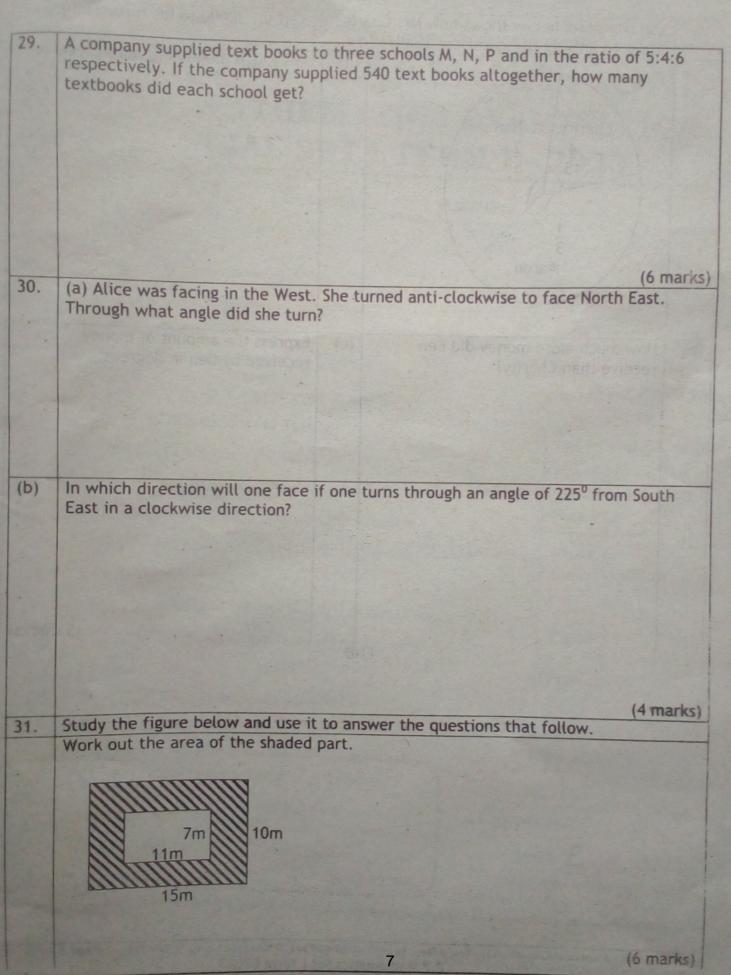
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P.7 Mathematics Set I Term I 2023

13.	Solve; 2m + 2 = 10	14.	Find the circumference of the circle below. (Use $\pi = ^{22}/_7$ )
15.	Work out; 5 + 2 6 3	16.	Find the value of y in the diagram below.
17.	Work out; 1 3 2 five +1 2 2 five	18.	In a bus, there were 30% females and the rest were males. If there were 42 males, how many people were in the bus altogether?  Page 3 of 8



22.	given the digits 4, 2, 3.	a ileq		
(a)	Form all possible the		STATE OF THE STATE	
(0)	Form all possible three digit numbers that can be formed.	(b)	What is the probability of for even number?	ming an
				-
22				(5 Marks)
23	(a) Show "a half past two" on the clockface below.	(b)	What evening time is shown clockface below?	on the
	10 12 1 10 2 9 · 3 8 7 6 5		10 12 1 10 2 10 3 8 7 6 5	
	Arrange 0.44, 0.4, 4.4 and 4.04 in desc			(4 marks)
				(5 marks)
	Farouk is 7 years older than Lucky. If	their t	total age is 31 years,	
25. (a)	How old is Farouk?	(b)	How old was Lucky 5 years	ago?

26	(a) Using a ruler, a pencil and a where line NT = 7cm, TV = 8cm	pair of com and line VN	passes only, construct triangle NTV = 6.4cm.
		1	
		1,	
	(b) Measure angle NTV.		
7.	The sum of 4 consecutive even no	umbers is 6	0. (5 marks
a)	Find the numbers.	(b)	Expand the largest number using place values.
-	Study the shopping list and use it	to answer	the questions that follow. (5 marks
	2 cups at sh. 16000 5 plates at sh. 1500 each	(a)	What is the cost of one cup?
	6 forks at sh. 500 each		
1	A saucepan at sh. 1200		
		100	AND THE REAL PROPERTY OF THE PARTY OF THE PA
-			
	How much money does one pay fo	r 5 plates,	6 forks and a saucepan?
			(5 mark



32.	The pie-chart below shows how Mr. Charles shared sh. 30000 to his three children. Use it to answer the questions that follow.			
	Charity Ben 2/5 5	(a)	How much money did Aaron receive?	
b)	How much more money did Ben	(c)	Express the amount of money	
	receive than Charity?		received by Ben in degrees.	
	The special surface of 552 field 5000	010	put an which direction will one taue	
	FI	ND	(5 marks	