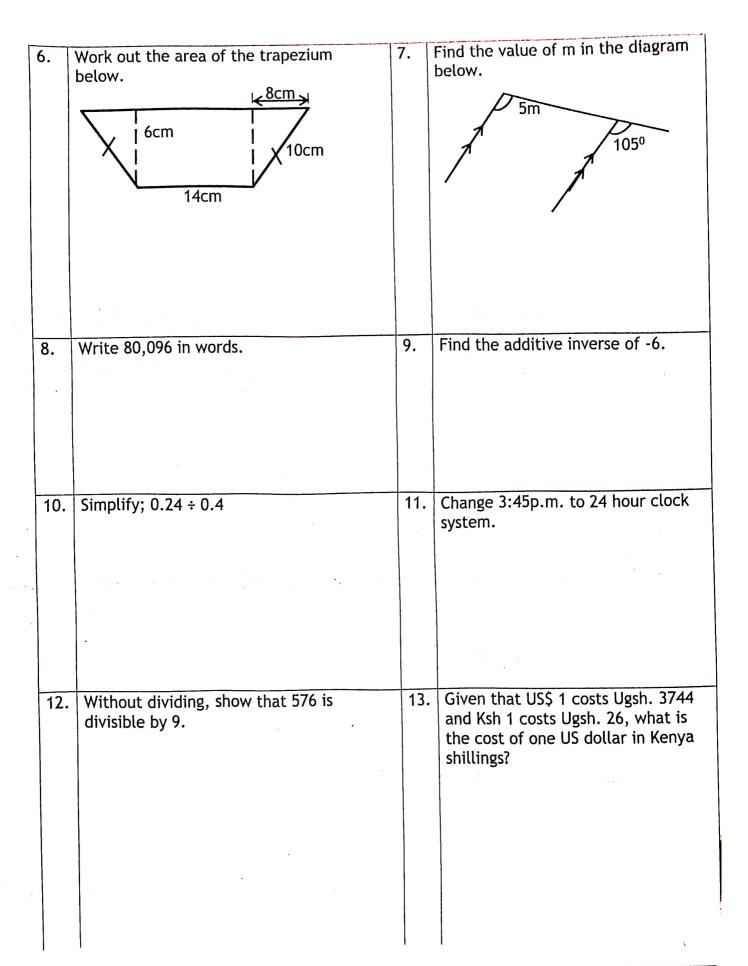
BROAD EXAMINATIONS®

7 MATHEMATICS EXAMINATION TEDM II 2024

MID - TERM II 2024	+				
Time allowed: 2 hours 30 minutes.					
Random No. Personal No.					
Pupil's Name:					
School Name:			•••••		
District Name:		EXAMIN	ER'S		
Read the following instructions carefully:	, , , ,	JSE ONLY			
1. This paper is made up of two sections: A and B.	PAGES	MARKS	SIGN		
2. Section A has 20 questions (40 Marks).	Page 2				
3. Section B has 12 questions (60 Marks).					
4. Answer ALL questions in both sections A and B.	Page 3	-			
5. All answers must be written in the space provided in	Page 4	- 	100		
blue or black ball point pens and ink. Only diagrams should Page 5					
be done in pencil.					
6. Unnecessary crossing of answers will lead to loss of marks.	Page 6				
7. Any handwriting, which cannot be easily read, may lead to	Page 7		,		
loss of marks.	Page 8				
8. Do not fill anything in the boxes indicated for	1 464 5				
Examiners' use only.	TOTAL				
Teacher's comment to the learner	roved by:				
Abb	MP P				
Ten	n Head Ma	- thematics	Depti		

SECTION .A. (40 MARKS)

	SECTION .A. (40)	MARI	(5)		
1.	Complete correctly.	2.	Given that $B = \{a, m, e, r, t\}$		
	HTO 137 = 1 hundreds tensones		D = {r, a, h, o, k, e} Find the number of elements in set D - B.		
3.	Shade $\frac{2}{3}$ of the diagram below.	4.	A bus made 295 trips to Kampala in 2022. If it carried an average of 50 people per trip, find the total number of people it carried in 2022.		
		()			
5.	The bar graph below represents the number to answer the questions about it.	r of t	rees planted by three schools. Use it		
	Matek P/S				
	Muto P/S				
	Abuja P/S 0 10 20 Number of tree	 	30		
(a)	Which school planted the lowest number of trees?	(b)	How many trees did Muto Primary School plant?		



14.	Apollo deposited sh. 80,000 in a bank which offers an interest rate per annum. If he was given an interest of sh. 1000 after 3 months, find the percentage rate the bank offers.	15.	The average of 11, -2, 6, (w+5) and 8 is 6. Find the value of w.	
16.	Draw an angle of 67° using a protractor.	17.	Simplify; 2k - 3p + 7k - 2p	
18.	Given that set K has 32 subsets, find n(K).	19.	A temple was constructed in 27BC and later demolished in 33AD. How many years did the temple last?	
20.				
	Find the capacity of the fuel tank in litres. 150cm			

	SECTION .B. (60 MARKS)				
21.	In a football team, 13 players use the left le	:g(L),	16 players use the right leg(R) only		
	and 2d players use both legs.				
(a)	Use the information above to complete the venn-diagram below. $n(L) = 13 \qquad n(R)$ $2d \qquad \qquad$	(b)	If 22 players use the Right leg, find the number of players in the whole team.		
(c)	Find the probability of picking a player who	HSOS	the left leg to be the team cantain		
			(06 Marks)		
22.	(a) Work out; 1 1 0 1 _{two}	(b)	Given that $76_y = 234_{five}$, find the		
	X 1.1two		unknown base y.		
			(04 Marks)		
22	In the figure below, line FD is parallel to AC	line			
23.	FEA is 55° and angle EBD is 65°. Use it to an	swer	the questions that follow.		
	F E D	(a)	Find the size of angle EBC;		
	55° (65°)				

(b)	Work out the size of angle BDC.		
(2)	Work out the size of angle speci		
		*	
	** ** * * * * * * * * * * * * * * * *		
			(06 Marks)
24.	The shopping list below shows the items th	at we	ere bought by Annet from the
	supermarket in preparation for Christmas.		
	-2kg of sugar at sh. 5000 per kg	ro m	
	-500g of curry powder at sh. 9000 per kilog	Iaiii	
	1_2^1 kg of rice at sh. 6000 each kilogram		
	A bottle of juice at sh. 15000	1111	7 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
	If she paid sh. 37800, calculate the percent	tage (discount offered.
	·		
			4 · 1
		!	
			(06 Marks)
25.	(a) Twelve pencils are packed in a packet	(b)	
	and 25 packets are packed in a box. If the	, ,	distributive property.
	cost of 2 boxes of pencils is sh. 150,000,		
	calculate the cost of each pencil.		1.041, 1.042
		: 1	and the second s
	,	1	
	· · · · · · · · · · · · · · · · · · ·		(05 Marks)
26.	In a tournament, 3 points are awarded to a	tean	n for every game won and a point is
	deducted for every game lost. Each team p		
(a)	How many points did a team get given	(b)	If a team got 22 points, how many
	that it won 6 games?		games did it lose?
	:		
		1	
			.
			/
ı			(05 Marks)

27.	Arrange $\frac{3}{10}$, 40%, 0.75 and $\frac{12}{25}$ in descending order.	28.	A truck covered 81km in 90 minutes. Calculate its speed in metres per second.
	(04 marks)		(04 Marks)
29.	Study the figure below carefully and answe	r que	stions that follow
	(a) Find the le	ngth	of AC in metres.
(L)	h X 13m		
(b)	Calculate the area of triangle ABD.		
		,	(05 Marks)
30.	(a) Using a ruler, a pencil and a pair of con	npass	es only, construct a square MATH
	where diagonal MT = AH =6cm.	٠.,	
	(b) Measure the length of the side of the s	quare	e. (05 marks)

31.	Kalanzi bought a radio and later sold it making a profit of 20% to Kapere who later sold it to Mukwaya making a profit of 5%. If Kapere paid sh. 96,000;				
(a)		v much m	oney did Kalanzi pay f		
32.			low shows the number nd use it to answer th		at were given to four children. Study
		Bob Beth Betty Bonny	## ## ## ## # ## ## ## +		
(a)	Who	received	d the highest number	of sweets?	
(b)	How	/ many sw	veets did Betty receive	e?	
(c)	Calc	culate the	e average number of s	weets that w	ere received by four children.
				END	(05 Marks)