

BETTER EDUCATIONAL CONSULTANCY

PRE-PRIMARY LEAVING EXAMINATION

SPOT ON SET TWO, 2022 MATHEMATICS

Time Allowed: 2 hours 30 minutes

Index No.	Random No.	
IIIGCX IIG.		

Candidate's Name:	
Candidate's Signature:	
School Random No.	
District ID:	
Read the following instructions carefully:	FOR EXAMINER'S USE ONLY

1. Do not write your **school** of **district** name

- anywhere on this paper.
- This paper has two sections: A and B.
 Section A has 20 questions and section B has 12 questions.
- 3. Answer **all** questions. **All** answers to both sections **A** and **B** must be written in the spaces provided.
- 4. All answers **must** be written using a **blue** or **black** ball point pen or ink. Any work written in pencil will **not** be marked.
- 5. **No calculators** are allowed in the examination room
- 6. Unnecessary **changes** in your work and handwriting that cannot be easily read may lead to **loss of marks.**
- 6. Do not fill anything in the table indicated: "for examiner's use only" and boxes inside the question paper.

Qn. No	MARK	EXR'S NO.
1 – 5		
6 – 10		
11 – 15		
16 – 20		
21 – 22		
23 – 24		
25 – 26		
27 – 28		
29 – 30		
31 – 32		
TOTAL		

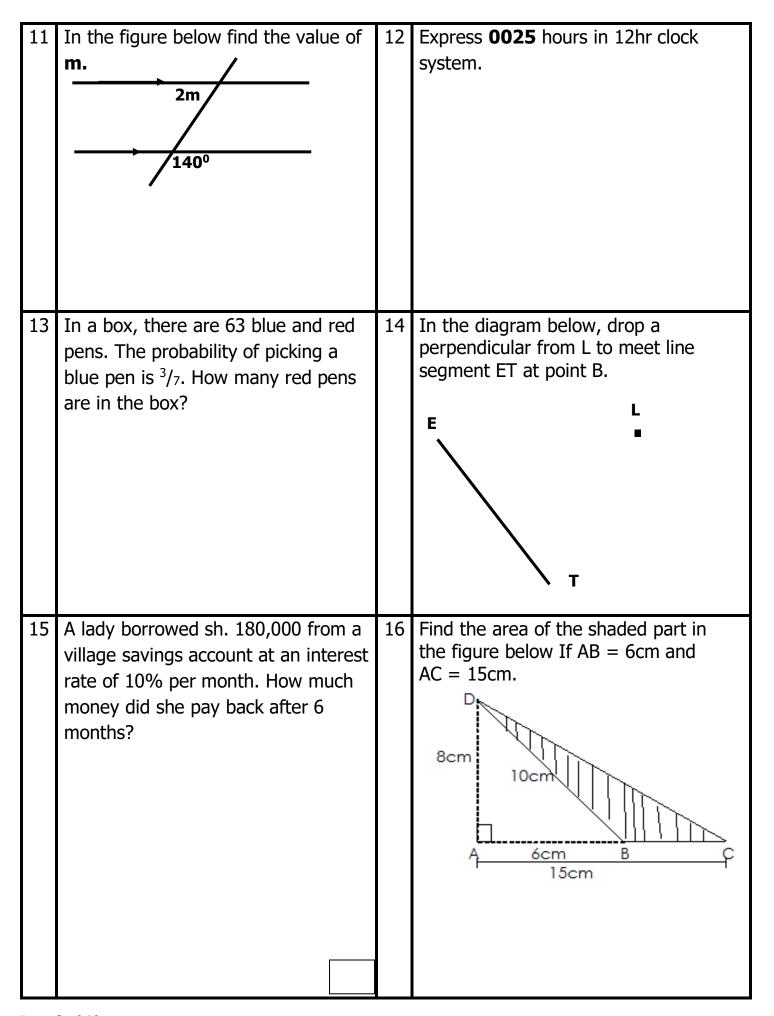
Personal No.

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Turn over

SECTION A

1	Work out: 1 2 4 - 1 8	2	Write 55,012 in words.
3	Shade (M∩P) ^I in the figure below;	4	Find the next numbers in the sequence below;
	M		1, 4, 2, 5, 3,,
5	A trader bought 1½ dozen of books and sold each at sh. 2000 making a profit of sh. 4000. Find the cost price of all the books.	6	Find the length of the arc AB in the figure below: (Take $\pi = 3.14$) A 10dm B
7	Find the course week of 2.1	8	Solve for k: $2k - 5 = 13$
,	Find the square root of $3\frac{1}{16}$.	O	JOIVE TOT K. 2K - 3 — 13
9	Name the regular polygon whose interior angle is 135° .	10	Round off 45.37 to the nearest whole number.



17	The bearing of town P from town Q is 200°. What is the bearing of town Q from P?	18	How many ¼ kg packets can be used to pack 12kg of sugar?
19	Using tallies, change 18 _{ten} to base five.	20	Express 200 metres as a ratio of one kilometer.
	SECTIO	NΒ	(60 MARKS)
21	The previous electricity metre reading The new metre reading is 08511.	at k	(ato's meter box was taken as 08476.
а	How many units of electricity did Kato consume? (2 Marks)	b	If the cost of each unit is sh. 800, calculate the amount of money to be paid by Kato if VAT of 18% is levied on the total cost. (2 Marks)
22	In a certain village, 40 farmers rear core K + 2 farmers rear both cows and ration rows. a). Use the above information to compare the core in the c	bits	while 2K rear neither rabbits

	n(C)=40 n(R) K	b	If 30 farmers don't rear cows, how many farmers are in the whole village? (3 Marks)
	(2 Marks)		
23	The table below shows the marks sco	red	by P.6 pupils in a certain test.
	Marks scored 55 70	40	80
	No. of pupils x 4	3	1
а	If 5pupils score below 70, how many	b	Work out the mean. (2 Marks)
	pupils sat for the test altogether?		(= 1.0.1.0)
	(2 Marks)		
	What was the modal frequency?		
С	What was the modal frequency?		
			(1 Mark)
24	a) A mother is thrice as old as her ser	. In	five years' time the ratio of the
47	a) A mother is thrice as old as her sor mother's age to the son's age will be		-
	now?		
			(4 Marks)

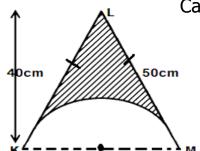
	b) Solve the inequ	uality:⁻6 ≥-3p) > -6	an	d give	the solution set.	(2 Marks)
25						d from town P to S	-
		n the table. S	Study	it c	arefully	y and use it to answ	er questions that
	follow.						
	Town	Arrival	De	par	ture		
	Р			000			
	Q	1030hrs		045			
	R S	1130hrs 1330hrs		210	1115		
		15501115				I	
а	For how long did			b	_	ge the arrival time a	it town S in 12hr
	to move from tow R?	n Q to town, (1 M a	rk)		clock	time.	(2 Marks)
	IX:	(1116	" K)				
С	If the distance from	m town P to	towr	ı S i	s 210k	m, calculate the av	erage speed of
	the bus for the w	hole journey.					(2 Marks)



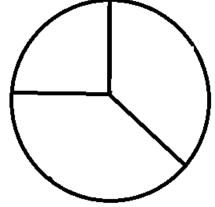
The figure below shows a triangular card with a semi-circular part cut off.

Calculate the area of the shaded part (take $\pi = \frac{22}{7}$)

(5marks)



The pie-chart below shows a man's monthly expenditure.

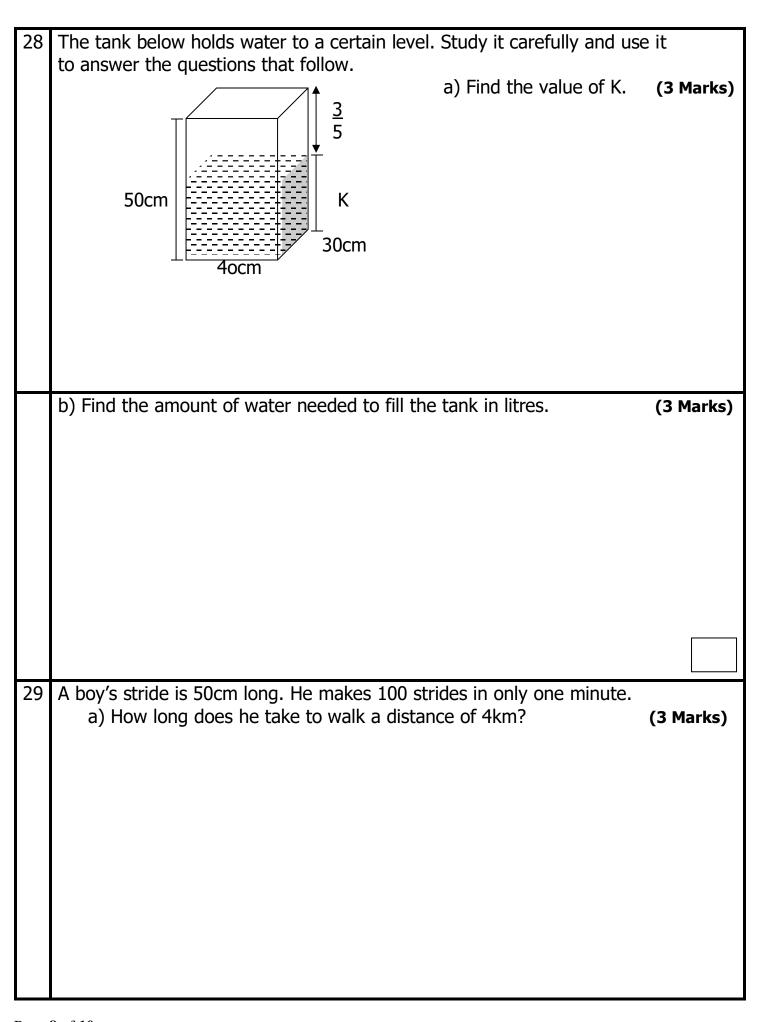


Find the value of y (a)

(2 Marks)

b

Given that he spends shs.120,000 more on savings than rent, Calculate his monthly salary. (3 Marks)



		culate the boy's average					(2 Marks)
30	Below	are the exchange rate Currency	es at		ooo forex bures Buying rates	au. Study it carefu Selling I	
		US\$	Ugsł	า. 35	00	Ugsh. 3600	
		Ksh 1	Ugsł	າ29		Ugsh30	
		1 British pound	Ugsł	1 41C	00	Ugsh 4200	
2	Λ +rad	lor had Llach E04 000		b	If a radio cost	rs Not600 Eind th	o cost of
а	which British	ler had Ugsh. 504,000 he exchanged for n pounds. How many ds did he get? (2 Mark		ט		s Us\$600, Find thos in Kenya shilling	

31	Using a ruler, pencil and pair of compasses only, construct a parallelog ABCD where AB= 6cm, angle DAB = 120° and AD = 4cm. Drop a	ıram
	perpendicular line from C to meet AB at X.	(5 Marks)
22	A fruit vander haught some granges from a village fruit former When	cho
32	A fruit vendor bought some oranges from a village fruit farmer. When grouped them in heaps of 8,5oranges remained, when she put them ir	
32	grouped them in heaps of 8,5oranges remained, when she put them in heaps of 7,only one orange remained and when she grouped them in	1
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END