

## PERFECT EDUCATION SERVICES - KAMPALA

# PRIMARY SEVEN SPECIAL SET TWO EXAMINATION

#### 2022

#### MATHEMATICS

Time Allowed: 2 hours 30 minutes

	Time Allowed:	2 Hours 30 men	
Section 6	EMIS No.	Personal No.	
Index No.	100 0 101		
	1 (150)		
Candidate's Name			
Candidate's Signatu	ure		****************************
EMIS Number			
District Name			-are pure to that a week I
July 11 vo hearch	SE	CTTON A	The Samuel and Addition
1. Workout 41 x 3	s griphism in a self di la sego una dilipatan	2. Write in f thousan	igures Four hundred eight d, forty nine.

3. Workout 6 - 4 using a number line

16 2 16 25W 921 10 9 1.7612

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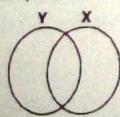
4. Subtract 3k + 3 from 4k - 4

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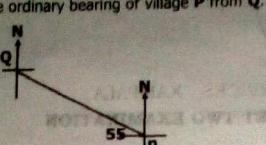
In the venn diagram below, shade the complement of the intersection.

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6. Workout:  $3\frac{1}{3} \div 2\frac{1}{4}$ 



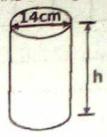
7. The diagram below shows the positions of two villages P and Q. Use it to find the ordinary bearing of village P from Q.



the third cube number.

8. Workout: (72.5x950) - (72.5x850) using distributive property.

estrador of erond a choscolid and 9. Find the difference between the 5th and 10. The figure below is a cylindrical container whose volume is 3080cm3 Find its height



- 11. Using a pair of compasses, a ruler and a pencil only, construct an angle of 135° in the space provided below.
- 12.A man's salary was reduced by 12 1%. If he was earning sh. 480,000, calculate his new salary.

13. Change 250 centimetres to metres.

14. The temperature of ice was -8°C at 6:30am. By 9:15am, the temperature had dropped by 3°C. What is the temperature of ice now?

notifies remiant to the

15. Simplify: 7 - 2 (4P+4)

RESERVE ET

16. Mazinga scored the following marks in a series of tests. 44%, 55%, 69%, 42%, 82% and 27%, find the range of the scores.

\* - 1 - 1 x 1 1/8 (state) M

- 17. Find the next number in the sequence 64, 16, 4, 1,
- 18. John had 76 notes of Ten thousand shillings. If the serial number of the last note was AX000612, what was the serial number of the first note?

19.Round off 349.998 to the nearest whole number.

20.A parents' meeting which ended at 1:20pm lasted for 2hours 45minutes. assumed the above of bright what time did the meeting start?

At what shadd must he cover the remaining lourney in order

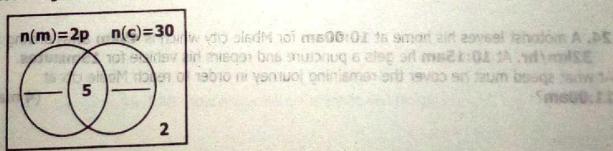
#### SECTION B

21.At a birthday party attended by 47 guests, 30 guests were served with chicken (c), 2p were served with meat (m) 5 guest were served with both meat and chicken while 2 guests did not eat either of the two dishes.

a) Use the given information to complete the venn diagram



SPECIAL PROPERTY



b) What is the probability of choosing a guest who ate only one type of dish?

(3 marks)

22.a) Express the recurring decimal 0.3444 .... as a common fraction

W. W. College Bridge St. House St. Ash

MORNING THE PARTY OF MERCHANISM

2 marks

b) Simplify:  $\frac{2}{3} \times \frac{1}{4} - \frac{1}{12} + \frac{1}{2}$ 

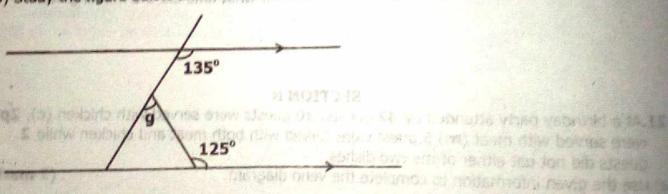
(3 marks)

23. The interior angle of a regular polygon is 20% more than the exterior angle. Find the (3 marks) size of each exterior angle.

1:20pp losted for 2 nours administration b) Study the figure below and use it to find the value of g in degrees.

(3 marks)

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24. A motorist leaves his home at 10:00am for Mbale city which is 45km away driving at 32km/hr. At 10:15am he gets a puncture and repairs his vehicle for 15minutes. At what speed must he cover the remaining journey in order to reach Mbale city at 11:00am? (4 marks)

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(2 marks)

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b) Given that  $1002_m = 131_{tour}$ , find the value of the unknown base.

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and a personal personal representation on the property of the part of the property of the personal per

(3 marks)

### 26. The table below shows the exchange rates in PJMAX Forex bureau.

Currency	Buying price	Selling price	
Ksh.1	Ugsh.36	Ugsh:38 viad margaib in	
Us\$1	Ugsh.3650	Ugsh. 3720	

a) How much in Uganda shillings is Ksh. 1800?

(2 marks)

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b) A tourist has Us dollar 570, how many Kenya shillings will he get?

(3 marks)

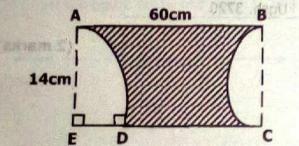
b) To each of the numbers 30 and 45, X is added and the ratio of the resulting numbers is (2 marks) to 11 respectively. Find the value of X

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at the table below shows the exchange rates in PUMAX Forex burnals

a) How much in Lucencia shillings is Main 1800?

28. Study the venn diagram below and answer the questions that follow.



(DON'S STREET, ST.)

a) Find the perimeter of the Figure ABCDA (use  $\pi = \frac{22}{7}$ )

(3 marks)

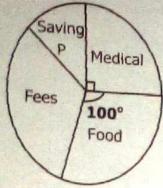
Sing on the application was premium to the selection of the great b) Workout the area of the shaded part (use  $n = \frac{22}{7}$ )

Caren C

(3 marks)

transport. The remaining amount was sh.400,000. How much money did the school have (5 marks)

30. The pie chart below shows how a family spends its weekly income of sh. 720,000.



1.4640000

a) What percentage does the family spend on medical?
 (2 marks)

s) what is one boaring or port M from port M?

b) If the family spends sh.240, 000 on fees, find the value of P.

(3 marks)

31.A cylindrical tank was  $\frac{1}{3}$  full of water. When  $\frac{2}{5}$  of the water in the tank was added, the tank had a capacity of 280litres. Find the capacity o the tank when  $\frac{5}{6}$  full (5 marks)

18. A ship wallook from part Wong a basicross of \$100 to some Money a basic of the form.

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b) What is the bearing of port N from port K?

(1 mark

32. A ship sailed from port K on a bearing of 120° to port M on a distance of 300km. It then turned and continued to port N on a bearing of 235° through a distance of 400km.

a) Using a scale diagram of 1 cm to represent 50km, draw the scale diagram to show the journey of the ship.

(4 marks)

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b) What is the bearing of port N from port K?