LUGAZI DIOCESE STANDARD ASSESSMENT

PRIMARY LEAVING STANDARD ASSESSMENT 2022

PRIMARY SEVEN MATHEMATICS

Index No.

Time: 2 Hours 30 Minutes

Candidate's Name: .....

Candidate's Signature: .....

School Name: .....

Do not open this booklet until you are told to do so.

Read the following instruction carefully:

1. The paper has two Sections: **A** and **B**
2. Section **A** has 20 short questions (40 marks)
3. Section **B** has 12 questions (60 marks)
4. Answer **All** questions. All answers to both Sections **A** and **B** must be written in spaces provided.
5. All answers must be clearly written using blue ball point Pen or ink. Only diagrams should be drawn in pencils.
6. Unnecessary changes of work may lead to loss of marks.
7. Do not fill in the boxes indicated **"For examiner's use only".**

FOR EXAMINER'S USE ONLY		
Qn. No	MARKS	SIGN
1-10		
11-20		
21-22		
23-24		
25-26		
27-28		
29-30		
31-32		
TOTAL		

Turn Over

SECTION A (40 MKS)

1. Work out: 12
   x 3
   ---

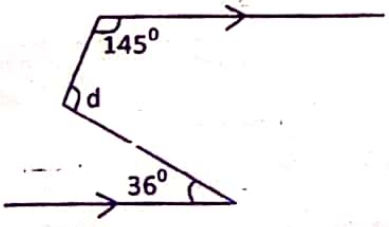
2. Write "Sixty eight thousand, forty nine" in numerals.

3. Simplify: $2^5 \div 2^3$

4. Round off 65421 to the nearest hundreds

5. The cost of 3 US dollars is Ug. Shs. 10,950. How many dollars will Mugabi buy with Ug. Shs. 730,000?

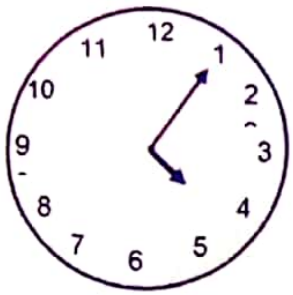
6. Study the diagram below and find the value of angle marked d.



7. Find the next number in the sequence.

1, 2, 6, 15, 31, 56, _____

8. The teachers interview took 2 hours and 15 minutes and in ended the afternoon as shown on the clock face below. At what time did it begin?



9. Simplify $15g - 5(2g - 3g) - 7g$

10. Find the median of the given numbers 3, $1^{-}1$, 0, 1 and 2

11. If today is a Wednesday, what day of the week will it be after 65 days?

12. Find the radius of the figure below, if its perimeter is 25cm (Use $\pi = \frac{22}{7}$)

13. Given that;
    Set T = {1, 3, 5, 7, 9, 11, 13, 15} and
    Set S = {2, 3, 5, 7, 11, 13 }
    Find n(T–S)

14. Given that a = ½ , b = $^1/_6$, c = $^1/_5$. Find the value of 2a–12b + 10c

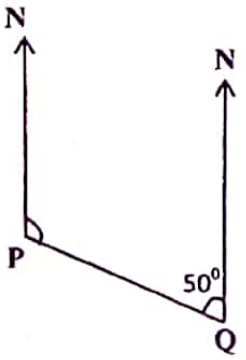
15. Find the Highest Common Factor (H.C.F) of 18 and 24.

16. The base area of a rectangular water tank is 1200cm^2 and its height is 100cm. find its volume in litres when it is two thirds full of water.

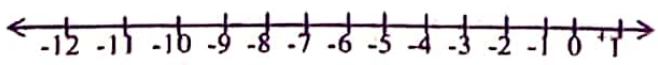
17. Work out: $\frac{3}{5} \div \frac{9}{10}$

18. Solve the inequality. $8 \leq {}^{-}2(r - 1)$

19. In the diagram below, find the bearing of town Q from town P.

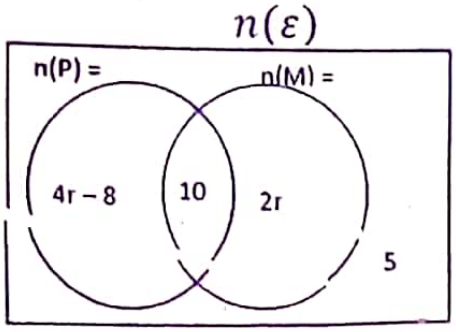


20. Use the number line below to work out the value of; ${}^{-}7 - {}^{-}11$.



SECTION B (60 MARK)

1. The Venn diagram below shows the number of members in a family who eat Posho (P) and Matooke (M).



) If 16 members eat only one type of food, find the value of r. (2mks)

) Find the number of members who eat Posho (2mks)

c) How many members do not eat Posho? (1mk)

22. a) Work out: $44_{five} \times 33_{five}$ (2mks)

b) Find the sum of the value of 5 and the value of 3 in the number 15832 (3mks)

23. Given that

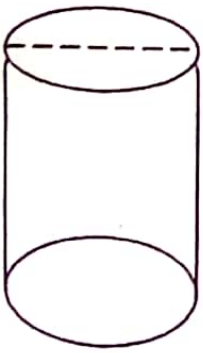
USS 1 = Ug Shs. 3520

KSh 1 = Ug Shs. 35

a) Musa has USS 150. how much money in Uganda shillings does he have? (2mks)

b) A businessman had 70 US$ and travelled to Kenya for holiday, how much Kenya shillings did he get after exchange? (3mks)

24. A water tank below has a circumference of 88cm and a height of 100cm.

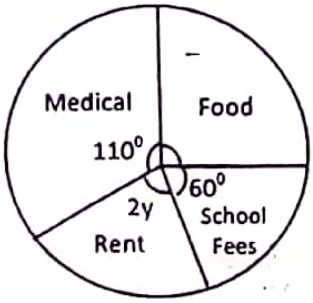


Find the capacity of the tank when it is completely full in litres. (4mks)

for 2hours

25. A motorist left Masaka at 9:30am travelling at an average speed of 75 kilometers per hour to Kampala. He rested for 30 minutes at Mpigi and after resting he continued at an average speed of 60 kilometers per hour reaching Kamapa at 1:30pm.
Find the distance between Kampala and Masaka (6mks)

26. The pie chart below shows how a man spends his monthly salary.



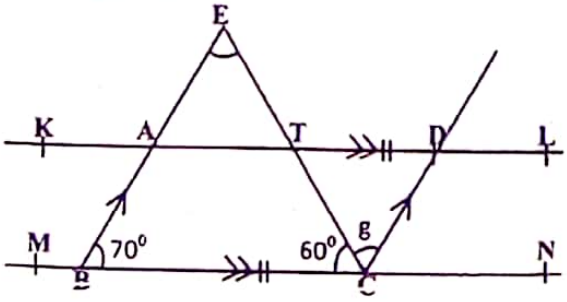
a) Find the value of y. (2mks)

b) If he spends Sh. 24,000 on rent more than school fees, how much money does he spend on food?
(3mks)

27. A box of mangoes weighs 9.6kg. if the box when empty weighs 2.4kg. find the total number of mangoes in the box if each mango weighs 300g (4mks)

28. At a birthday party, Sodas were served, 45% were served with Fanta, $^{5}/_{11}$ of the remainder were served with Novida and the rest were served with Mirinda. If 18 guests were served with Mirinda, find the total number of guests who attended the birthday party. (6mks)

29. In the figure below KL is parallel to MN and ABCD is a quadrilateral with angle BCE – 60^0 and angle ABC = 70^0



(a) Find the value of g. (2mks)

b) Find the size of the angle marked DTC (2mks)

30. a). Find the value of a, b, c and d in the magic square below. (5mks)

8	3	a
b	5	d
6	c	2

31. A lady has a four digit number for her "ATM Pin". The first digit is half the second digit. The third digit is ten minus the second digit and the fourth is one more than the second digit. If the sum of all the four digits is 23, find all the four digits (4mks)

32. Using a pair of compasses, a ruler and a pencil only construct a parallelogram QRST in which angle QRS = 60^0, Line RS = 7cm and Line ST = 5cm (4mks)

b) Measure the length of diagonal (1mk each)

(i) RT = _____

(ii) QS = _____

= Good Luck =