RUKUNGIRI DISTRICT PRIMARY SCHOOLS' EXAMINATION PANEL

PLE MOCK 2024

MATHEMATICS

Time Allowed: 2 Hours 30 Minutes.

Index No

Candidate's Name ....

Candidate's Signature ....

School Name: ....

District : ....

Read the instructions very carefully.

1. This paper is made up of **two** Sections; **A** and **B**.

2. Answer **all** questions. All answers to both sections must be written in the spaces provided.

3. All answers must be written using a blue/black pen or in ink.

4. Unnecessary crossing out of answers will lead to loss of marks.

5. Any illegible handwriting may lead to loss of marks.

6. Do not fill anything in the boxes shown; "Examiners' use only."

QN. No.	Marks	S
1- 10		
11- 20		
21-22		
23-24		
25- 26		
27 -28		
29-30		
31-32		
TOTAL		

FOR EXAMINERS ONLY

29 A farmer deposited sh 400,000 in a Sacco which offers an interest rate of 2½ % per year for 3 years.

(a) find the interest earned after 3 years.

(b) find the amount in total he got after a period of 3 years.

30 Using a ruler, a pencil and a pair of compasses only, construct a triangle PQR where PQ=7.5cm. $\angle$ PQR =30°, $\angle$QPR =105°

(b) Measure QR

30 A circular flower garden of diameter 35 metres was fenced with poles placed a distance of 2.5 metres a part.
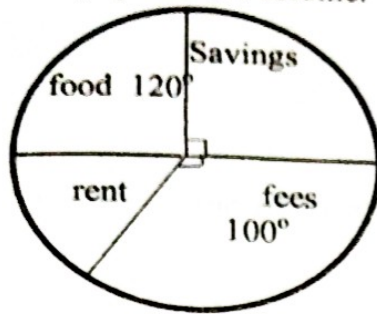
(a) How many poles were used?

31 (b) If each pole costs shs. 5000, how much money was spent to fence the flower garden

2 (a) Simplify:

$$\frac{3.6 - 2.52}{0.4 \times 0.018}$$

(b):

$$^2/_3 - ^1/_6 \text{ of } 1\,^1/_2$$

END

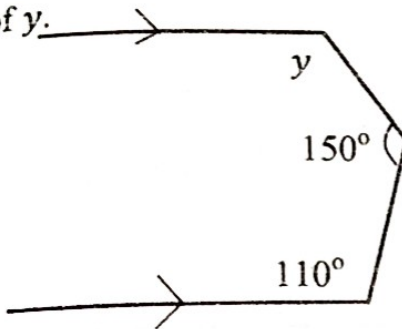**26.** The pie chart below shows how Doreen's family spends her income.

(a) If the family spends 180,000 on rent, find the family's total income.

26(b) What percentage does he spend on food?

---

27 (a) In the figure below, find the value of y.

27(b) The interior angle of a polygon is 108°. Name the polygon

---

28 Peter left Budaaka driving a steady speed of 116km/hr for 1 ½ hrs and then rested for 30 minutes for the engine to cool. He continued his journey at a steady speed of 60km/hr and covered the remaining 150km.

(a) find the distance he covered before resting.

28 (b) Calculate Peter's average speed for the whole journey

23. In a company, baby's nutritious foods are mixed such that 25% of it is cassava flour, ½ of the remainder is soya bean flour and the rest is sorghum flour. If the mixture is made up of 24kg of sorghum flour, find the total mass of the mixture.

24c. ...man bought a watch for 700 British pounds. Find the cost of the same watch in kenya shillings.

25. The headteacher of Kyamakonda Primary School went for shopping with sh. 20,000. Complete the table if he went back with shs 3000.

Item	Quatinty	Unit cost	Amount
Rice	1 ½ kg	Sh____akg	Sh 4500
Cooking oil	2 litres	Sh.2500per litre	Sh ____
Meat	____kg	Sh 11000@kg	Sh 5500
tomatoes	____ tomatoes	Sh 500 for every 3 tomatoes	____
Total expenditure			____

24 The table below shows the rates at which DFCU bank buys and sells different currencies

Currency	Buying	Selling
1 Us dollar	Ug.sh3500	Ug.sh 3600
1 british pound	Ush.4000	Ug.sh4200
1k sh	Ush 30	Ugsh.35

(a) A tourist had 250 Us dollars, how much money in uganda shillings did he get from the bank?

(b) John had 3,256,000. How many brtitish pounds did he get from the bank.

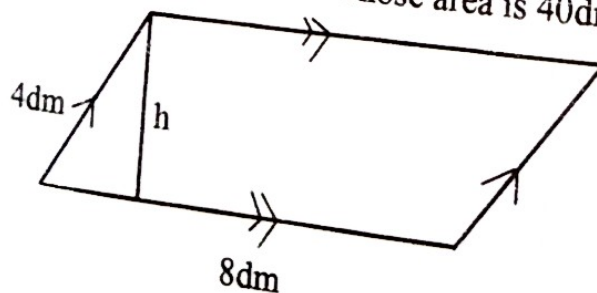**16.** Study the figure below and calculate the value of y.

$102°$

y

17 The mean of $8y + 1, 2y$ and 14 *is* 15. Find the value of y.
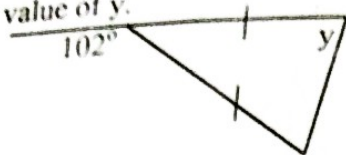
18. If $a = 5, b = -2$ $c = 2b$. Find the value of $\frac{ac}{a+b}$

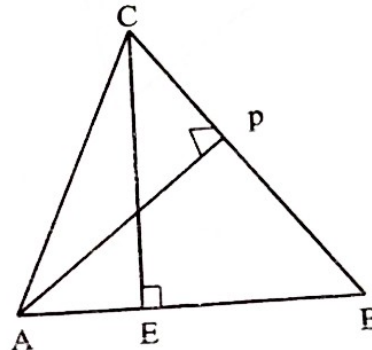**19** A bus covered a distance of $80km$ in 20 minutes. Calculate its speed in km/hr.

20. Below is a parallelogram whose area is $40dm^2$. Find its height.
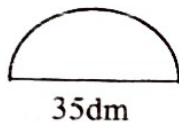
4dm

h

8dm

11.	Four boys take 10days to slash the compound. How long will eight boys take to slash the same compound working at the same rate?	14	Study the figure below and find the value of AP; given that $AB = 15cm$, $EC = 6cm$, and $BC = 12cm$

12	Find the circumference of the figure below.

35dm

15.	The headteacaher of Bwanga Progressive Primary school gave out 24 certificates, 18 laptops and 30 school bags as gifts at the end of the year thanks giving day. If the gifts were shared equally, find the number of children that shared.

13	In a bag, there are black pens and red pens. If the probability of picking a black pen from the bag is $^2/_5$ and there are 9 red pens. Find the total number of pens in the bag.

SECTION A

1. Work out 12×2

2. Write in words 90,909 in words

3. Given the place value of 8 in a numeral is ten thousands, find its value

4. Work out $1\frac{2}{5} \div \frac{1}{5}$

5. Simplify: $-9 - {}^-5$

6. Express 472.63 in standard form

8. If today is Friday, what day of the week was it 24 days ago?

9. The executive meeting for DFCU bank ended at 1:25pm. If it lasted for 3 hours and 50 minutes. At what time did it start?

10. Solve for k : $2(1-k) = 10$