



PACE – PREPARE A CHILD EXAMINATION BOARD
PRIMARY SEVEN WAKE UP EXAMINATION SET
2025

MATHEMATICS

Time Allowed: 2 hours 30 minutes

Pupil's Name:

Pupil's Signature:

School Name:

District Name:.....

Read the following instructions carefully:

1. Do not forget to write your **school** and **district name** on this paper.
2. This paper has two sections: **A** and **B**. Section **A** has **20** questions and Section **B** has **12** questions. The paper has **12 printed pages** altogether
3. Answer **all** questions. **All** the working for both sections **A** and **B** must be shown in the spaces provided.
4. **All** working must be done using a **blue** or **black** ball point pen or ink. Any work done in pencil other than graphs and diagrams will **not** be marked.
5. **No calculators** are allowed in the examination room.
6. Unnecessary **changes** in your work and handwriting that cannot easily be read may lead to loss of marks.
7. Do not fill anything in the table indicated: **"For Examiners' Use only"** and boxes

FOR EXAMINERS' USE ONLY		
Qn.No.	MARKS	EXR'S NO.
1 - 5		
6 - 10		
11 - 15		
16 - 20		
21 - 22		
23 - 24		
25 - 26		
27 - 28		
29 - 30		
31 - 32		
TOTAL		

SECTION A: 40 MARKS

Answer **all** questions in this Section
Questions **1** to **20** carry two marks each

1. Add: $254 + 46$

2. Express 125g as a fraction of a kilogram.

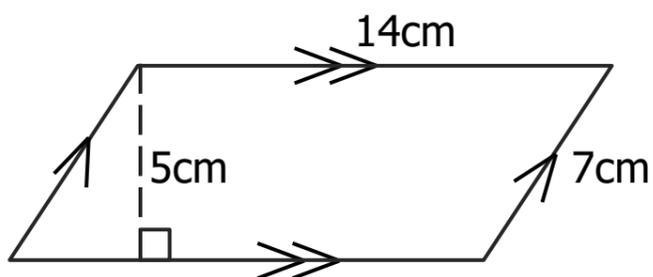
3. Add: $35.7 + 0.35$

4. Solve: $2p - 8 = 16$

5. There are 45 pupils in a class. The ratio of the girls to the boys is **2:3**. Find the number of girls in the class.

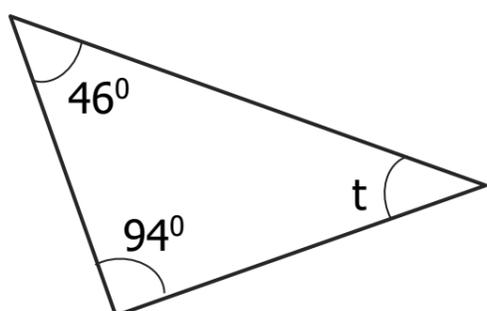
6. Express 5 as a binary base.

7. Find the area of the parallelogram drawn below



8. Aibu bought 8 fountain pens at shs.40000. How much would he pay for 5 similar fountain pens ?
9. Juliet, Amon, Jeff and Josh are 11, 9, 15, 16 years respectively. Find the range of their ages.
10. Express $\frac{3}{5}$ as a decimal fraction.
11. In a class of 60 pupils, 12 are girls. Express the number of girls as a percentage of the whole class.

12. Find the complement of the angle marked t in the figure below.



13. Find the A school bag contains 6 yellow and 5 green pencils. Find the probability of picking a yellow pencil at random from the bag.
14. John Akii-Bua ran 100 metres in 10 seconds. Express his speed in kilometers per hour.

15. If $a = b$, $b = 4$ and $c = 3$, workout: $\frac{ac}{b}$

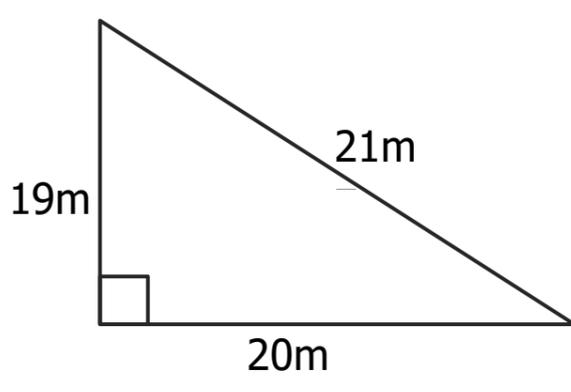
16. Musa deposited Sh. 60,000 in Crane Bank which offers an interest of 12% per year. How much interest did Musa receive from the bank after 9 months ?

17. Workout: $4.2 \div 0.03$

18. A bus broke down after covering $\frac{5}{7}$ of the journey. The remaining distance to complete the journey was 140km. How long was the whole journey?

19. 6 men take 10 hour to weed a garden of cassava. How long will 4men working at the same rate take to weed the same garden?

20. Workout the area of the figure below.



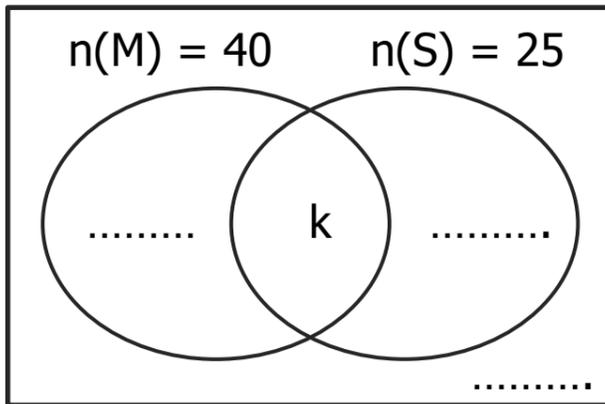
SECTION B: 60 MARKS

Answer **all** questions in this section

Marks for each question are indicated in brackets.

21. In a class of 50 boys, 40 like Mathematics (M) and 25 like Science (S). Some boys (k) like both subjects and 2 do not like any of the two subjects.

a) Complete the Venn diagram below using the above information. (03 marks)



a) Find the value of k (02 marks)

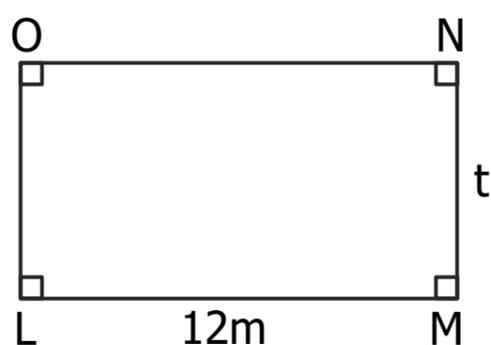
b) How many boys like only one subject? (01 mark)

22. a) Work out: $\frac{3.9 + 3.6}{0.06 \times 0.5}$ (03 marks)

b) Simplify: $3\frac{1}{3} \div 2\frac{2}{3} \times 2\frac{2}{5}$. (02 marks)

23. A shower is connected to a tank whose capacity is 1080 litres. One day, it was opened for 5 minutes and water of 40 litres poured out. How many hours would it take to empty the tank if the shower is left open ? (04 marks)

24. The area of the figure LMNO below is 60m^2 .



- a) Find the value of t. (02 marks)
- b) Workout the total distance around LMNO in centimetres. (03 marks)
25. The sum of three consecutive counting numbers is 30.
- a) If their median is m. Find the numbers. (04 marks)
- b) Workout their range. (01 mark)

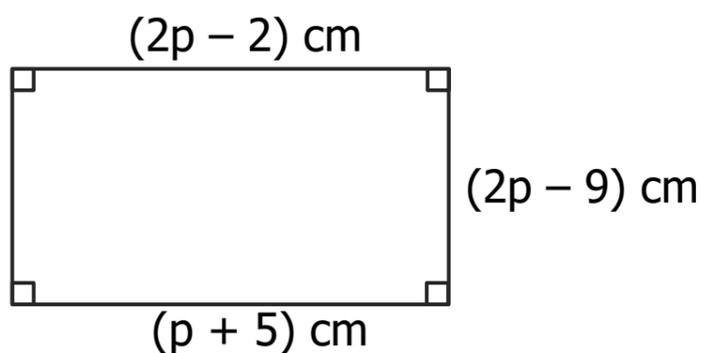
26. In a P.7 class, there are 120 pupils, 40% of them are boys;

a) Find the number of girls in the class. (02 marks)

b) How many more girls are there than boys ? (02 marks)

c) If a class prefect is chosen at random, what is the probability that the prefect chosen is a girl ? (01 mark)

27. The figure below is a rectangle. Use the information given to answer the questions that follow:



a) Find the value of p (02 marks)

b) Find the area of the rectangle. (03 marks)

28. Madina, a farmer in Kinoni planted his land as follows:

rice $\frac{2}{5}$ of the land.

Matooke $\frac{1}{3}$ of the land.

potatoes $\frac{1}{5}$ of the land, and

Cassava on the remaining land.

Using a radius of 3cm, draw a pie chart to represent the above information. (05 marks)

29. A taxi driver drove at 60 km per hour for $2\frac{1}{2}$ hrs. from Kampala to Iganga.

a) If the driver left Kampala at 1:50 p.m., at what time did he reach town Iganga ?

(02 marks)

b) If the cost of petrol was Shs.5000 per litre and driver's car used one litre to cover 10 kilometres, find the cost of petrol for the journey. (03 marks)

30. Shukran bought the following items from a market

2kg of rice at sh. 3, 800 per kg

$1\frac{1}{2}$ kg of meat at sh. 16,000 per kg

500g of salt at sh. 2,000 per kg

A sacket of cooking oil at sh. 6,500

Calculate Shukran's change if she went with sh. 50000

(05 marks)

31. The exchange rates for Kenya shillings (Ksh.) to Uganda shillings (Ugsh.) and the United States dollar (US\$) to Uganda shillings are shown below.

$$\text{Ksh. 1} = \text{Ugsh. 30}$$

$$\text{Us\$ 1} = \text{Ugsh. 3800}$$

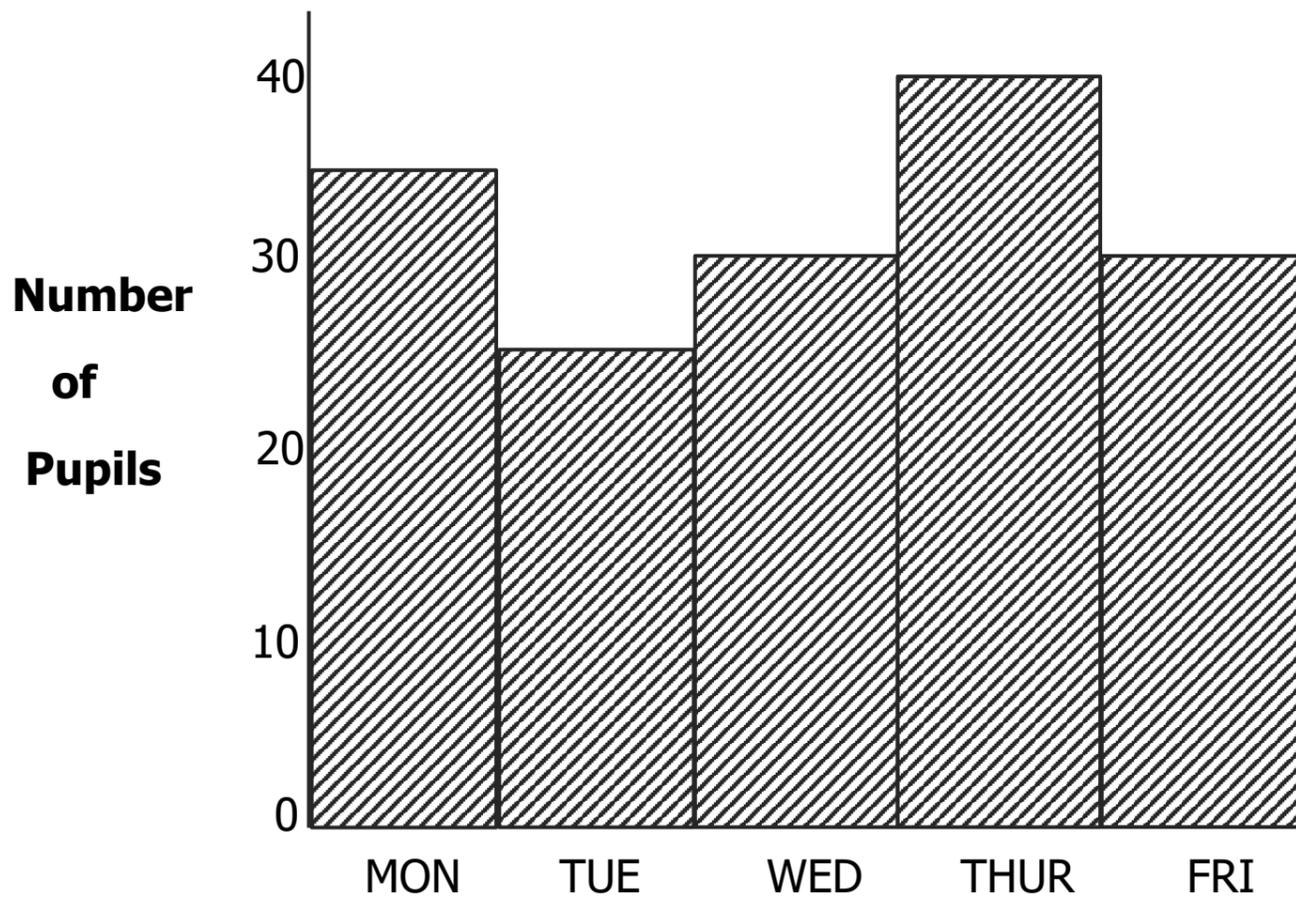
a) How many united states dollars will one get from 20,425 Kenya shillings ?

(03 marks)

b) Mary bought a bag at US\$ 90. How much money did she pay in Uganda shillings ?

(02 marks)

32. The graph below shows the daily attendance of pupils in a P.7 class.



- a) How many pupils were absent on Friday ? (01 mark)
- b) What percentage of the pupils was absent on Wednesday ? (02 marks)
- c) Calculate the average number of pupils absent during the five days. (02 marks)