



SUREKEY EXAMINATIONS BOARD
PRIMARY SIX PROMOTIONAL EXAMINATION
2025

MATHEMATICS

Time Allowed: 2 hours 30 minutes

Admission No.						Personal No.		

Learner's Name:

Learner'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

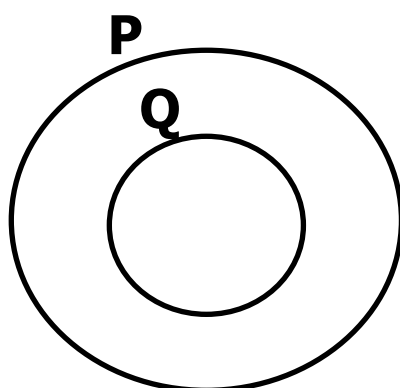
1. Write **CXXV** in Hindu Arabic Numerals.
2. Convert 0.54 kilograms into grams.
3. Given that $a = 8$ and $b = 10$. Find the value of $a - \frac{1}{2}b$.
4. Write 6436 in words.

.....
.....
5. In the Olympics games held in London, 9000 players from 150 countries participated in the games. If all countries brought equal number of players, Find the number of players each country brought.

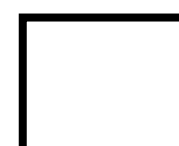


6. Workout: $110_{\text{two}} + 11_{\text{two}}$.

7. Write the mathematical relationship between sets P and Q shown in the diagram below.

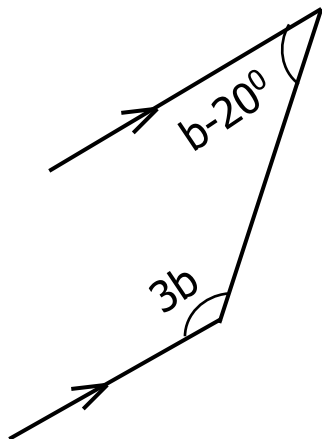


8. Using a pair of compasses and a ruler only, construct an angle of 30° in the space below.
9. A school has a total number of 450 pupils. On a heavy rainy day, only 78% managed to attend school and others failed due to bad weather. How many pupils failed to attend school that day?
10. Find the area of a circle whose radius is 14cm. (Use $\pi = \frac{22}{7}$)



11. The heights in centimetres (cm) of five men are as follows;
130cm, 149cm, 182cm, 160cm and 155cm.
Find the range in the heights.

12. In the diagram below, find the value of b .



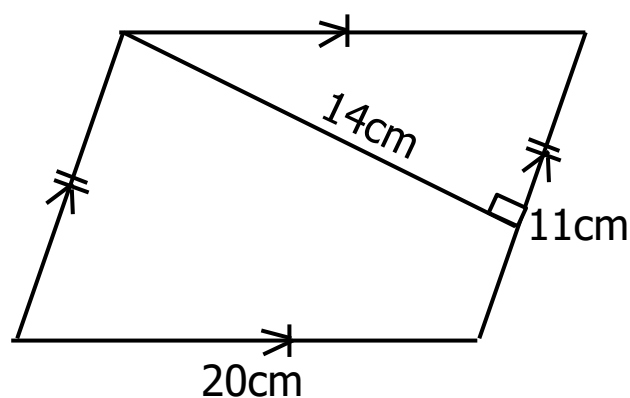
13. Elisha rolled a die once on a Luddo board. State the probability that the top face of the die showed an even number.
14. The rate of converting British Pound Sterling to Uganda Shilling in Centenary Bank is $\text{£}1 = \text{Ugsh.}4,000$. Find in Ugsh, the equivalent cost of a mobile phone which costs $\text{£}150$.

15. Calculate the speed of a motorist who covered a distance of 240km in $1\frac{1}{2}$ hours.



16. In a certain shopping mall, the cost of buying 3kg of sugar is Sh.9,000. Mr.Musaazi sells sugar in packets of 5kg. how much money does he earn if he sells 2 packets?

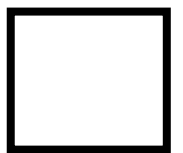
17. Workout the area of the parallelogram below.



18. Write the number which has been expanded below.
 $(8 \times 10^3) + (5 \times 10^1) + (6 \times 10^0)$

19. Round off 6482 to the nearest hundreds.

20. A juice factory hired 6 workers to pack juice into big boxes. The workers used 8 hours to do the work. How long would it have taken to pack juice if the factory had hired only 4 workers?



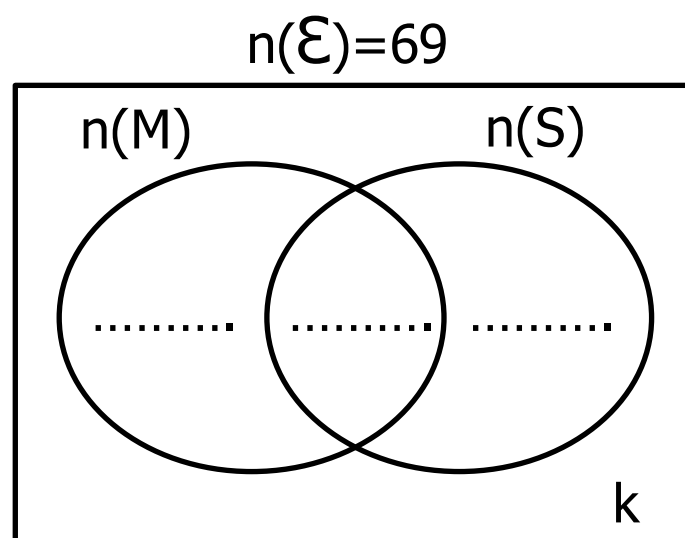
SECTION B: 60 MARKS

Answer **all** questions in this section

Marks for each question are indicated in brackets.

21. In a class of 69 pupils, 37 like mathematics (M), 40 like science (S), 12 like both subjects and k pupils do not like any of the two subjects.

(a) Use the information provided to complete the Venn diagram below. (03 Marks)



(b) How many pupils do not like the two subjects? (02 Marks)

22. A church organized a fundraising service in order to collect money to build the Pastor's house. During the fundraising, each adult contributed Sh.50,000 and each child contributed Sh.25,000. The service was attended by 40 adult males and 25 adult females while the number of children was half the number of adult males. Calculate the total amount of money collected during the fundraising. (06 Marks)

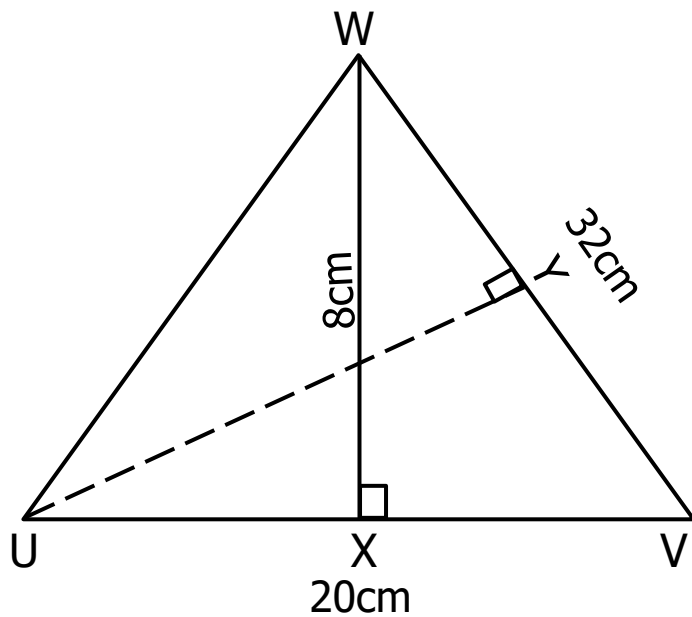


23. (a) Simplify: 0.64×0.15

(02 Marks)

- (b) A family bought a loaf of bread to be eaten in three intervals of time. In the morning, $\frac{2}{5}$ of the bread was eaten, $\frac{1}{3}$ was eaten in the afternoon and the remaining part in the evening. The family has 4 members. Find the part of the bread eaten by each member in the evening if the bread was shared equally. (04 Marks)

24. In the triangle UVW below, line UY and WX are perpendicular to VW and UV respectively. UV = 20cm, VW = 32cm and WX = 8cm.



(a) Workout the area of the triangle UVW. (02 Marks)

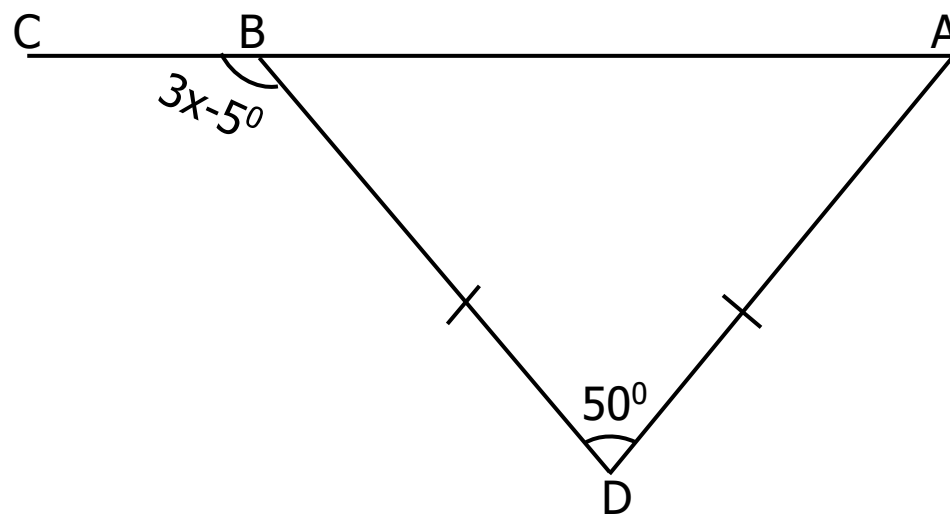
(b) Find the length UY. (03 Marks)



25. (a) Solve the equation: $\frac{2}{3}a - 6 = 4$. (02 Marks)

- (b) Antonio is twice the age of Alicia. The sum of their age is 21 years.
How old is Antonio? (02 Marks)

26. In the diagram below, ABC is a straight line. ABD is an isosceles triangle, Angle BDA = 50° while angle CBD = $3x - 5^\circ$. Study the diagram and use it to answer the questions that follow.



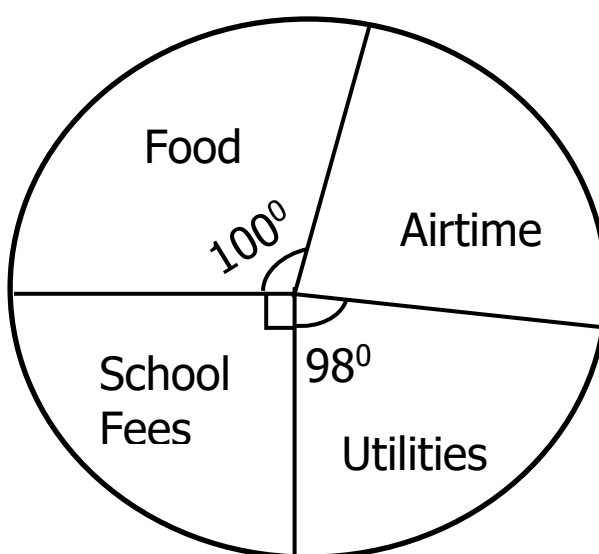
- (a) What is the size of angle BAD? (02 Marks)
- (b) Find the value of x. (03 Marks)



27. (a) Using a ruler, a pencil and a pair of compasses only, construct a triangle RST in which $RS = 7\text{cm}$, $\angle RST = 45^\circ$ and $ST = 6\text{cm}$.
(04 Marks)

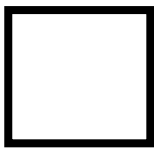
- (b) Drop a perpendicular line from S to meet line RS at Q. (01 Mark)

28. The Pie-Chart below shows how Mr.Ssempafu spends his Sh.48,000 daily earning on different home necessities. Study it carefully and answer the questions that follow.



- (a) Find the percentage of his daily earning which Mr.Ssempafu spends on airtime.
(04 Marks)

- (b) Calculate the amount of money which Mr.Ssempafu sets aside for school fees. (02 Marks)



29. Ms.Claire went shopping with Sh.50,000. She bought the items shown in the table below and she was given a change of Sh.19,500. Complete the table correctly. (05 Marks)

Quantity of the item	Unit Cost	Total Cost
3 litres of milk	Sh.1,500	Sh.
..... Tablets of bathing soap	Sh.3,500	Sh.14,000
$2\frac{1}{2}$ kg of rice	Sh.	Sh.
TOTAL EXPENDITURE		Sh.

30. In mid-term three examinations at Apex primary school, 10 pupils of Primary Six registered the performance below in the English paper; Six pupils scored 50 marks, Three pupils scored **k** marks and One pupil scored 40 marks. The average score of all the pupils was 52. Find the value of **k**. (04 Marks)



31. A motorist travelled from Town L to Town M at a speed of 75km/h for 2 hours. The motorist stopped for one hour at Town M to withdraw money from the bank. He then resumed his journey to Town N a distance of 90km for 3 hours.

(a) Calculate the total distance covered by the motorist from Town L to Town N. (03 Marks)

(b) At what speed was the motorist travelling from the bank to Town N? (02 Marks)

32. In a certain month, Uganda received tourists from three countries; USA, United Kingdom and UAE in the ratio 6:4:2 respectively. If there were 60 tourists received from United Kingdom, find the total number of tourists who visited Uganda from the three countries. (04 Marks)

