



HORMISDALLEN SCHOOL-KAMWOKYA

END OF TERM II EXAMINATION – 2024 (SET ONE)

PRIMARY SEVEN MATHEMATICS

Name: _____

Stream: _____ Index No. _____

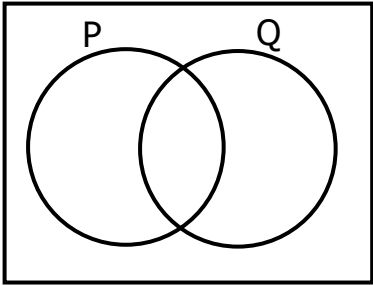
INSTRUCTIONS


1. Attempt all questions.
2. Any drawing must be done in pencil.
3. Use a very good handwriting.
4. No calculators are allowed in the examination room.

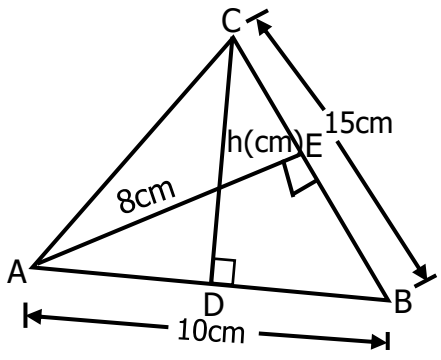
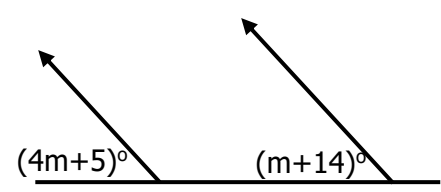
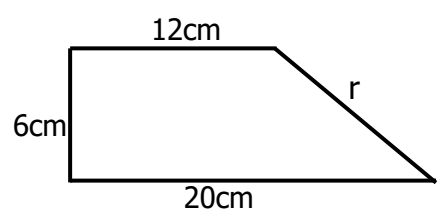
SECTION A	
SECTION B	
TOTAL	

DURATION: 2 hours and 30 minutes

SECTION A (40 marks)

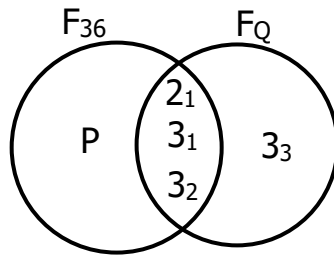
1.	Workout: $88 - 33$	2.	Write " Seven thousand thirteen " in figure.
3.	In the Venn diagram below, shade $(P-Q)'$ 	4.	A farmer sold a goat at shs. 120,000 making a loss of 20%. Find the cost price of the goat.
5.	Simplify: $+4 - -6$	6.	A car uses 10 litres of petrol to travel a distance of 240km. How many kilometres can a car cover using 8 litres of petrol?

7.	Geraldine had $\frac{2}{3}$ of sugarcane. She ate $\frac{2}{5}$ of the remainder after giving $\frac{1}{4}$ of sugar cane to Apio. Find the fraction she remained with.	8.	With the help of a ruler, a pencil and a pair of compasses only, construct an angle of 120° in the space provided below.
9.	Round off 46807 to the nearest thousands.	10.	Given that  represents 12 apples. Draw such pictures to represent 54 apples.
11.	Express 30m/s as km/h	12.	Solve for k in $2k-3(k-5)=1$
13.	Find the least number of pens that can be shared equally among 12 or 16 pupils leaving a remainder 5	14.	Workout $\begin{array}{r} 2\ 5\ 4_{\text{six}} \\ +\ 2\ 3\ 5_{\text{six}} \\ \hline \end{array}$

15.	<p>Find the value of h in the figure below.</p> 	16.	<p>A businessman deposited shs. 120,000 in Stanbic bank that offers interest rate of 8% per month for 2 years. Calculate the interest he got by the end of 2 years.</p>
17.	<p>Find the value of m in the figure below.</p> 	18.	<p>Calculate the value of r in the figure below.</p> 
19.	<p>In the space provided below, draw the net of a triangular prism.</p>	20.	<p>Express 750g as a ratio of 1kg.</p>

SECTION B (60 marks)

21. Study the Venn diagram below carefully and use it to answer the questions that follow.



a) Find the value of Q. **(2 mks)**

b) Calculate the value of P. **(2 mks)**

c) Find the GCF of 36 and Q. **(1 mk)**

22. a) Tap D can fill a tank in 6 minutes, tap E takes 4 minutes while tap F takes only 3 minutes to empty the tank. How long will they take to fill the same tank when opened at the same time? **(3 mks)**

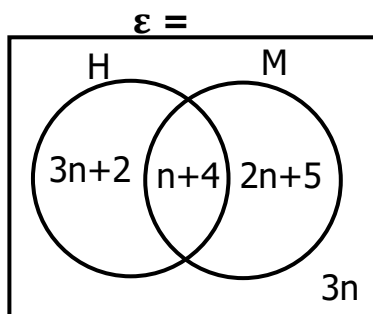
b) If the tank holds 240 litres, find the amount of water that tap D can fill into the tank in one minute. **(2 mks)**

23. In an interview of 25 questions, panelists awarded 4 marks for every correct response and deducted 2 marks for every wrong response.

a) If an interviewee gave 15 correct responses, how many marks did the interviewee get? **(2 mks)**

b) Find the number of correct responses given by an interviewee who got 88 marks. **(3 mks)**

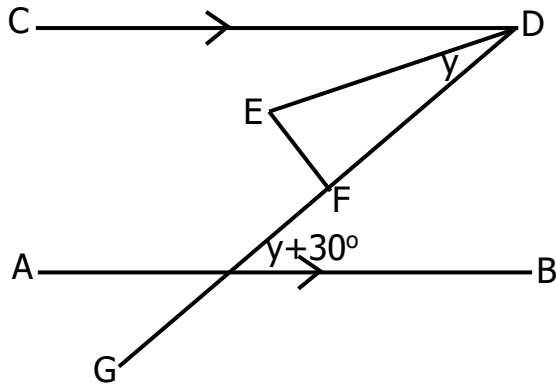
24. During a certain study tour, pupils were asked to select areas they wanted to tour. Some selected Hot springs (H) and others chose Mt. Rwenzori (M). Study the Venn diagram below and use it to answer questions that follow.



a) If 47 pupils chose only one area for touring, find the value of n **(2 mks)**

b) Find the probability of selecting a pupil who chose hot spring only to give evaluation interview on TV station. **(3 mks)**

25. a) In the figure below, line AB is parallel to line CD. Find the value of Y in degrees if line DE bisects angle CDF (2 mks)



- b) The interior angle of a regular polygon is 36° more than its exterior angle. Name the polygon. (4 mks)

26. Jimmy is twice as old as Divine while Okoko is 11 years older than Jimmy. In 8 years' time, Jimmy's age will be a third of the sum of Divine and Okoko's age.
- a) How old is Okoko now? (3 mks)

b) How old will Divine be in 8 years' time?

(2 mks)

27. Noble, Kyabaggu and Precious shared some money in the ratio of 2:5:7 respectively. If Noble got shs. 50,000 less than Precious;

a) Find their total share.

(4 mks)

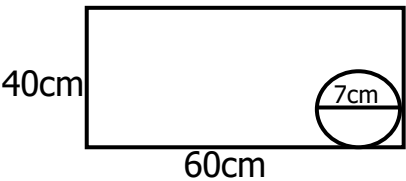
b) Express Kyabaggu's share as a ratio of their total share.

(1 mk)

28. The average mass of 4 pupils is 42kg. When two other pupils whose masses are 54kg and $(2x+4)$ kg join the group, their average becomes 45kg. Find the value of x .

(4 mks)

29. A teacher cut out circular cards each of diameter 7cm from a rectangular manilla card measuring 60cm by 40 cm.



a) Find the number of circular cards cut form the manilla. **(3 mks)**

b) How many horizontal lines will be formed from the cut out of the manilla? **(2 mks)**

30. The table below shows the currency exchange rates for the month of July at Entebbe airport. Study it carefully and use it to answer the questions that follow.

Currency	Buying	Selling
1 US dollar (\$)	Ugsh.3500	Ugsh.3600
1 pound sterling (€)	Ugsh.4200	Ugsh.4500
1 Kenya shilling (ksh.1)	Ugsh.28	Ugsh.30

a) A tourist came to Uganda with 400\$. Find the amount of money he came with in Uganda shilling. **(2 mks)**

- b) If a Pi merchant visited Kenya one day with 1200 € in the bag. Calculate the amount of money in Kenya shillings the Pi merchant came with. **(3 mks)**

31. A motorist travelled from town X to town Y at a speed of 60km/hr for 3 hours. If the motorist took only 2 hours to return to town X;

- a) How far is town Y from town X? **(2 mks)**

- b) Calculate the average speed of the motorist for the whole journey. **(3 mks)**

32. At Hormisdallen School, computer laboratory is 60 metres from the dining hall on a bearing of 120° and dormitory section for boys is 40 metres South of the computer laboratory.

a) Draw a sketch diagram to show the three places. **(1 mk)**

b) Using a scale of 1cm to represent 10 metres, draw an accurate diagram to show the three places. **(3 mks)**

c) Find the shortest distance between dining hall and the dormitory section for boys. **(1 mk)**

Good Luck