

NAKASEKE DISTRICT ACADEMIC BOARD

MOCK 2024 EXAMINATIONS

PRIMARY SEVEN

MATHEMATICS

DURATION: 2 HOURS 30 MINUTES

NAME: _____

SCHOOL: _____

DISTRICT: _____

INSTRUCTIONS

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO

Read the following instructions carefully

1. The paper has two Sections A and B
2. All workings for both sections A and B must be shown in the spaces provided.
3. Section A has 20 short questions (40 marks)
4. Section B has 12 questions (60 marks)
5. All working must be done using a blue or ball point pen or ink
6. Diagrams should be drawn in pencils
7. No calculator are allowed in the examination room
8. Unnecessary alteration of work may lead to loss of mark
9. Any hand writing that cannot easily be read may lead to loss of marks
10. Do not fill in the boxes indicated;
"FOR EXAMINER' USE ONLY" and those inside the question paper

FOR EXAMINERS USE ONLY

Q.N. NO.	MARKS SCORED	INITIAL
1 - 5		
6 - 10		
11 - 15		
16 - 20		
21 - 24		
25 - 26		
27 - 28		
29 - 30		
31 - 32		
TOTAL		

Nakaseke District Academic Board (Mock Examinations 2024)

SECTION A (40marks)

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

1. Workout: $19 + 15$

2. Write 909,044 in words.

3. Given that $X \cup Y = \{a, b, v, d, e, f, g, h\}$
set $Y = \{a, c, d, f\}$
Find all elements of set Y
complement

4. Find the mean of
 $2P+3$, $3P+2$, 0, 7 and 3

5. Buyinza a teacher from Kikondo
P.S harvested 360bags of rice
last season. If she sells $8\frac{1}{3}\%$ of
them, how many bags does she
remain with?

6. Elijah paid sh.6000 for 2apples
and 4mangoes. The cost of each
mango is sh.800. Find the cost of
each apple

7. Given that $a=5$ and $b=2a$, find the
value of ab .

8. What speed is needed to cōver a
distance of 90km in $1\frac{1}{2}$ hours?

9. Express 0.3636....as a fraction in
its lowest term.

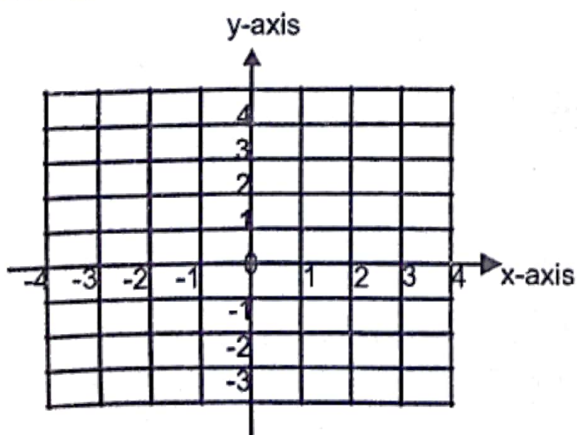
10. Subtract $(x-6)$ from $(3x-3)$

11. Construct an angle of 75° using a pair of compasses, a ruler and a pencil only in the space below.

12. Given that \bigcirc represent 10 oranges draw a picture to represent 45 oranges

13. Which number was expressed in standard form as: 3.04×10^3 ?

14. Plot points $N(-4, +3)$ on the grid below.



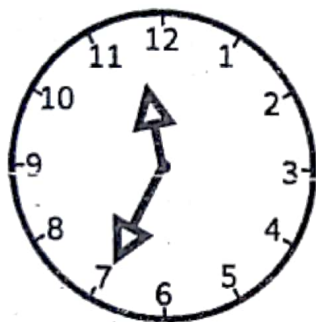
15. The cost of 6 pens is shs.12000. How many pens can be bought with sh.8000?

16. Bank notes of sh.20,000 in a bundle are numbered consecutively from EV2449410 to EV2449459. How much money is in the bundle?

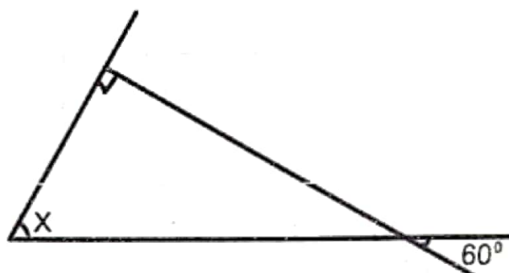
17. Cissy is the 6th girl in the line of girls from the right hand side and the fifth from the left hand side. How many girls are in the line?

18. Find the product of 101_{two} and 11_{two}

19. The clock face below shows time in the evening.
Write the time in 24 clock.



20. In the figure below, calculate the value of X in degrees.

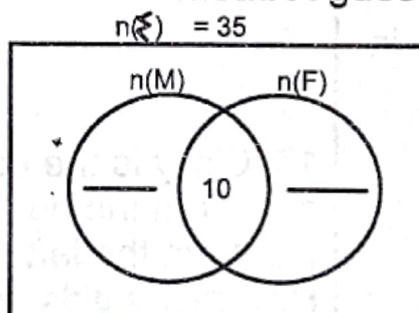


SECTION B (60marks)

Answer all questions in this section

Marks for each question are indicated in the brackets

21. 35 people were invited to a certain party. 15 of the guests liked meat (M) only, 10 guests like both fish and meat. X guest like fish only.



- a) Complete the venn diagram.
b) Find the value of X

(2marks)
(2marks)

- c) How many guest ate only one type of food?

(1mark)

22. Alex walked 54km in 3 days. He walked 2km more everyday.
Calculate the distance walked in the first two days.

(4marks)

23a) Express 0.0259 in standard form.

(2marks)

b) Work out $\frac{0.08 \times 0.36}{0.016 - 0.004}$

(3marks)

24. A motorist travels from town A to town B for 3 hours at an average speed of 75km/hr. Due to rain, he slows down and travels at an average speed of 64km/hr. for $2\frac{1}{2}$ hours from town B. to town C.

a) How far is town C from town A?

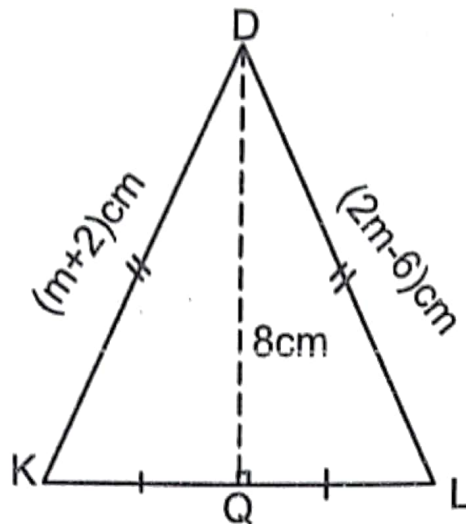
(3marks)

b) Calculate the average speed for the whole journey.

(3marks)

25. Study the triangle below and answer the questions that follow.

⑤



a) Find the value of m

(2marks)

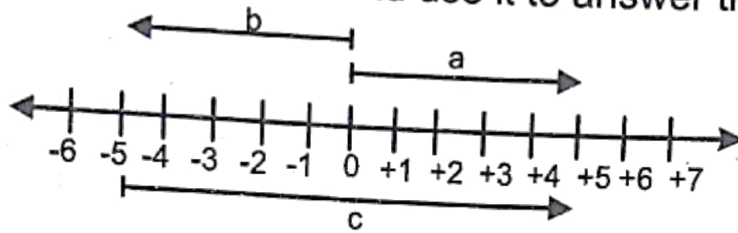
b) Work out the area of the Triangle KDL.

(3marks)

26. A pen costs two thirds as much as a book. A Mathematica set costs sh.1400 more than a pen.

If the total cost of each item is sh.3500, Find the cost of each item. (5marks)

27. Study the number line below and use it to answer the questions that follow;



a) Write the integers represented by letters.

(3marks)

(i) $a =$ _____ (ii) $b =$ _____ (iii) $c =$ _____

b) Write the Mathematical sentence shown on the number line above (1mark)

28 Joel went shopping with three, twenty thousand shillings notes and bought the following items;

2kg of sugar packed in a quarter kilogramme packets at sh.1250 per packet.

2bars of soap at sh.13000

2loaves of bread at sh.6000 per loaf

750ml of paraffin at sh.2000 per litre.

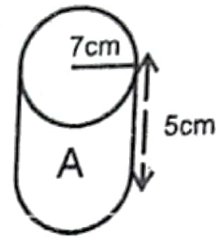
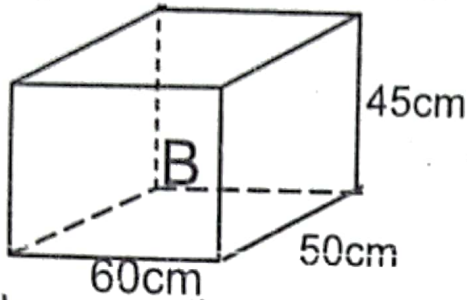
if he was give a discount of 5%, how much change did he get?

(6marks)

29. Using a pencil, a ruler and a pair of compasses only, Construct a parallelogram BCDE where: $\overline{BC} = 8\text{cm}$, angle $EBC = 45^\circ$ and $\overline{CD} = 5\text{cm}$
Drop a perpendicular from E to meet BC at K.

(5marks)

30. Cylindrical tins of size A are to be packed in a rectangular box B. The cylindrical tin has a radius of 7cm and height of 15cm.



- a) How many tins will be packed along the first of the box. (2marks)
- b) Find the number of layers that will be got in the box? (1mark)
- c) Calculate the amount of space left unoccupied after cylindrical tins into the box. (3marks)

31. Joy, Peter and Haruna shared pens in the ratio 3:5:7 respectively.
a) If Haruna got 12 more pens than Joy, how many pens did they share altogether? (4marks)

32. Malisa divided his land as follows: $\frac{1}{2}$ was given to the elder son, $\frac{3}{4}$ of the remainder was given to the younger daughter and the rest was given to the mother.
Show the above information on an accurate drawn pie chart of radius 4cm, (5marks)

****END****
Wishing you success