



KAMPALA PRIMARY EXAMINATION BOARD

PRIMARY SIX SET II EXAMS TERM I

ASSESSMENT 2024

MATHEMATICS

DURATION: 2 HOURS 30 MINUTES

Name:

School:

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

Read the following instructions carefully.

1. This paper is made up of two sections: A and B
2. Answers to both sections must be written in the spaces provided in full sentences.
3. Section A has 20 questions (40 marks)
4. Section B has 12 questions (60 marks)
5. Attempt ALL questions. All answers to both Sections A and B MUST be written in the spaces provided
6. ALL answers must be written in blue or Black ball point or ink. Only diagrams And graphs work must be done in pencil
7. Unnecessary alterations of work will lead to loss of marks.

FOR EXAMINERS USE ONLY

QN.NO.	MARK	SIGN
1 - 10		
11 - 20		
21 - 22		
23 - 24		
25 - 26		
27 - 28		
29 - 30		
31 - 32		
TOTAL		

SECTION A

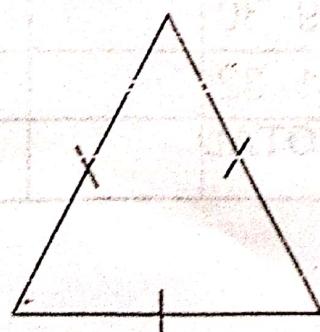
1. Workout: 857 - 634

3. Round off 3,482 to the nearest hundreds.

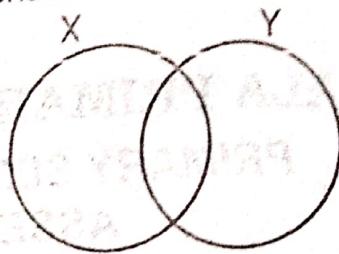
5. What number has been expanded
 $(5 \times 1000) + (9 \times 100) + (2 \times 10) + (6 \times 1)$

7. Write 46 as a Roman numeral

9. Draw the lines of symmetry for the figure below.



2. Shade : X - Y



4. Find the next two numbers in the Sequence.

1, 3, 5, 7, _____, _____

6. Solve: $y + 7 = 15$

8. Change 5m to centimetres

10. Workout: 1 - 1

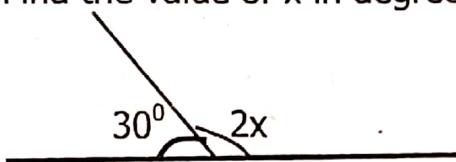
11. Arrange $1, 0, 5, -4, 1, +3$ in ascending order.

12. Given that set $K = \{ 6, 7, 8 \}$. How many subsets has set K?

13. Write 8,309 in words

14. The cost of a radio was sh. 65,000. It was later sold at sh. 78,000. What was the profit?

15. Find the value of x in degrees

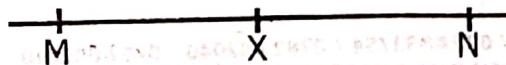


16. Simplify : $4m - 2n + 2m$

17. A mathematics lesson started at 9:10am and ended at 10:30am. How long was the lesson?

18. Change 0.8 to a common fraction to its lowest term.

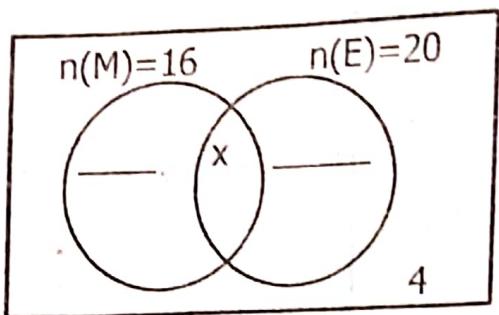
19. Using a ruler, a pencil and a protractor only, draw a perpendicular line to MN at point X



20. Workout : $2 - 9 + 8$

SECTION 3

21. In a class of 30 pupils, 16 like Maths (M), 20 like English (E), x like both while 4 pupils like both subjects
- a). Represent the above information on the Venn diagram below:



(2mks)

- b). Find the value of x.

(2mks)

- c). How many pupils like only one subject?

(1mk)

- 22a). What is the place value of 4 in 342_{five} ?

(1mk)

- b). Change 37_{ten} to base five

(2mks)

- c). Work out:

$$\begin{array}{r} 1 \ 3 \ 2_{\text{five}} \\ + 3 \ 1_{\text{five}} \\ \hline \end{array}$$

(2mks)

23. If $x = 2$, $y = 4$ and $z = 3$, Find the value of ;

i). $x + z - y$

(2mks)

ii). $\frac{y}{z}$

x

(2mks)

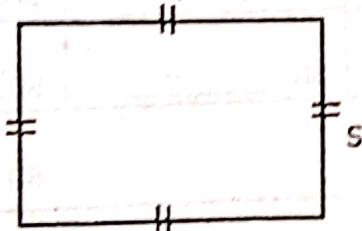
24a). Find the G.C.F of 12 and 16.

(2mks)

b). What is the sum of the first four square numbers?

(2mks)

25. The perimeter of the square below is 28cm.



a). Find the value of s .

(2mks)

b). Calculate its area

(2mks)

26. In a group of 60 members, $\frac{1}{3}$ of them are men and the rest are women
a). What fraction represents women? (2mks)

b). Find the number of men. (2mks)

c). How many more women than men are there in the group? (2mks)

27. Joel has sh.50,000 and prepared a shopping bill below;
a) Complete the table below

Items	Quantity	Unit cost	Total
Rice	2kg	sh.4000	sh. _____
Sugar	_____ kg	sh.2500	sh.5000
Bread	3loaves	sh._____	sh.9000
Total expenditure			sh. _____

b). Calculate his change. (4mks)
(2mks)

28. A motorist covered 180km from Jira to Soroti at a speed of 60km/hr.
a). Calculate the time taken for the journey. (2mks)

(2mks)

b). Express the time taken in minutes.

(2mks)

29. Given the digits; 2, 7, 4 and 3. Use the given digits to ;

a). Form the smallest numeral.

(1mk)

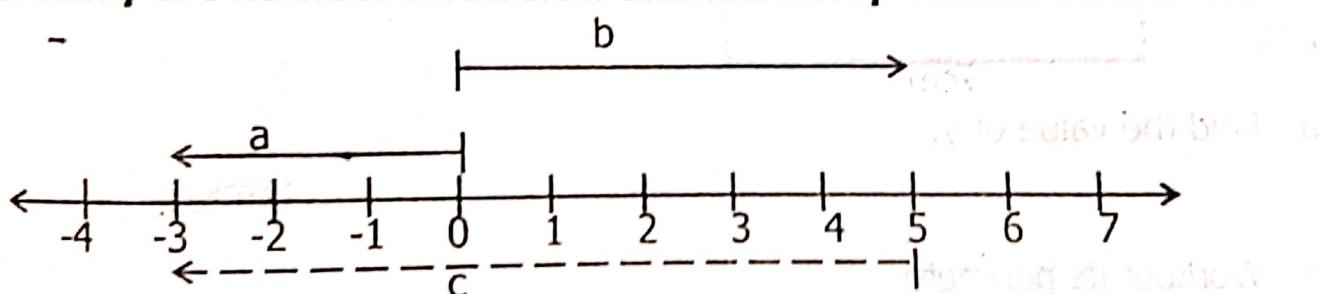
b). Form the largest numeral.

(1mk)

c). Find the sum of the largest numerals formed.

(2mks)

30. Study the number line below and answer questions that follow:-



a). Write the integer represented by arrow;

i). a _____

ii). b _____

iii). c _____

b). Write the mathematical statement shown on the number line (2mks)

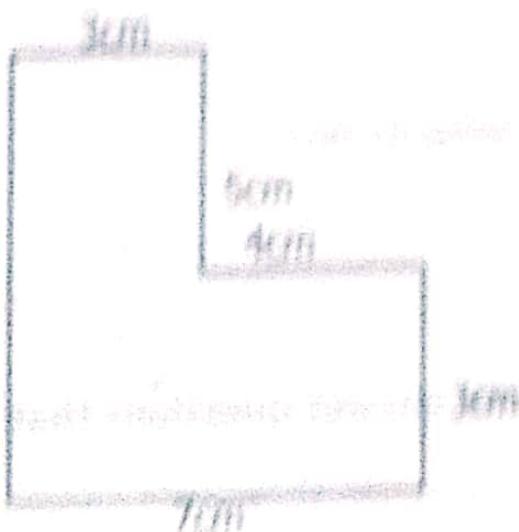
31. Solve : $4m + m = 35$

(2mks)

ii) When 3 is subtracted from a number, the answer is 7. What is the number? (1 mark)

iii) The cost of 8 pens is ₦ 300. Find the cost of each pen. (1 mark)

iv) Study the figure below carefully and answer questions that follow:



v) Find the value of y . (1 mark)

vi) What was the perimeter? (2 marks)

vii) Calculate the area of the whole figure. (1 mark)


KAMPALA PRIMARY EXAMINATION BOARD
PRIMARY SEVEN SET II EXAMS TERM I
ASSESSMENT 2024
INTEGRATED SCIENCE
DURATION: 2 HOURS 15 MINUTES

INDEX NUMBER	EMIS NUMBER	PERSONAL NUMBER

Name:
 School:

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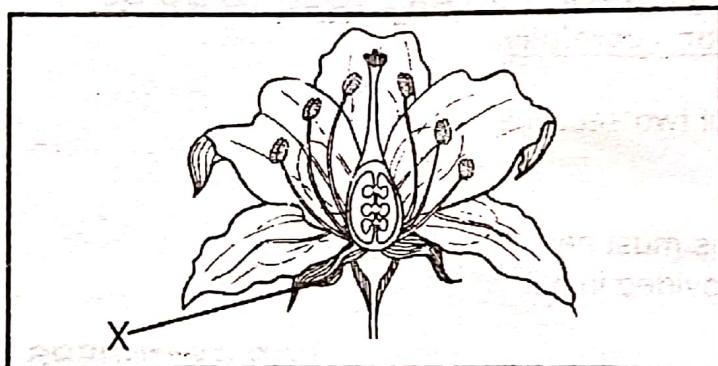
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31 - 40		
41 - 43		
44 - 49		
50 - 52		
53 - 55		
TOTAL		

SECTION A

1. Name the disease spread by a female anopheles mosquito.
2. State the importance of sound to a bat.
3. How are canine teeth useful to a carnivorous animal?
4. Mention one animal fibre used in a textile industry.
5. In which state of matter does heat travel slowest?
6. How does the human body cool itself on a hot day?

The diagram below shows a section of a flower. Use it to answer questions 7 and 8



7. Name the part marked X.
8. Use letter K to show the part that produces the male reproductive cells.
9. Why are handles of flat irons made of plastic?
10. State the advantage of rusting of metals to a crop farmer.
11. Which type of crops are farmers advised to include in crop rotation to maintain soil fertility?
12. What role does water play during seed germination?
13. Give any one sign of coccidiosis in poultry.

14. How does bush burning lead to soil erosion?
15. In which units is rainfall measured at a weather station?
16. Name the component of a living house that lets out warm air.
17. How similar are stomata and spiracles in function?
18. State one way of controlling diseases in the body without using drugs.
19. Why do people drink alcohol?
20. Give one way in which plants depend on soil.
21. State any one characteristic of seeds which are dispersed by wind.
22. Name the vaccine which is given to prevent three childhood immunisable diseases.
23. **The diagram below shows a bar magnet with iron filings around it. Use it to answer the question that follows**



- Which property of magnets is shown in the diagram?
24. Where in the lungs does exchange of gases take place?
25. Why is a bat classified as a mammal yet it has wings?
26. Name the injury caused by steam to a human body.
27. State one effect of gonorrhoea to the female reproductive system.
28. Give one reason why animals make sound.

29. Mention the process through which water turns into ice.

30. Name the tissue that joins a bone to a bone.

31. State any one principle of Primary Health Care.

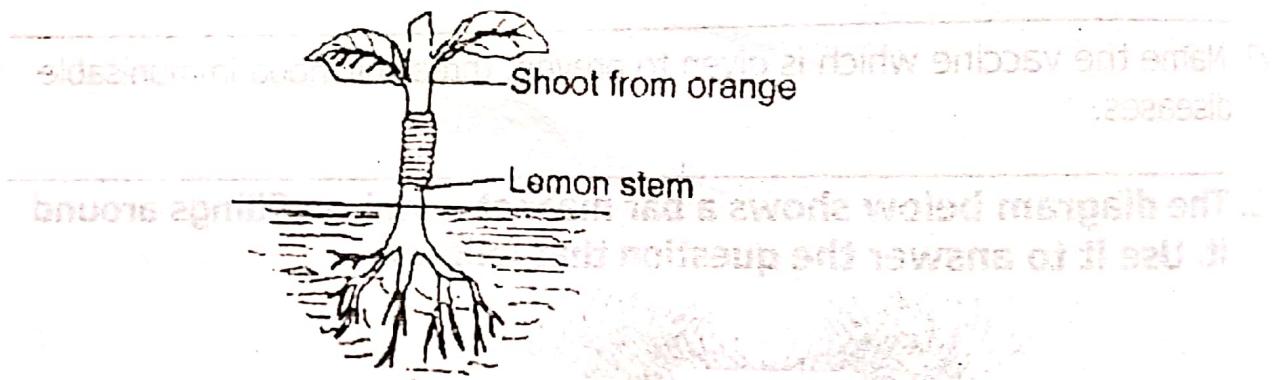
32. Give any one danger of wetland drainage to water animals.

33. Name the type of honey bees which develop from unfertilized eggs.

34. Why are laying boxes put in dark corners of a poultry house?

35. Which intestinal worm enters the human body through bare feet?

Below is a method of plant propagation. Use it to answer questions 36.



36. Name the method of plant propagation.

37. Which part of a fish performs a similar function as the human ear?

38. Apart from decomposition, how else is soil formed?

39. State the importance of smoke during the harvesting of honey.

40. Name the fungi which normally grow on left over foods.

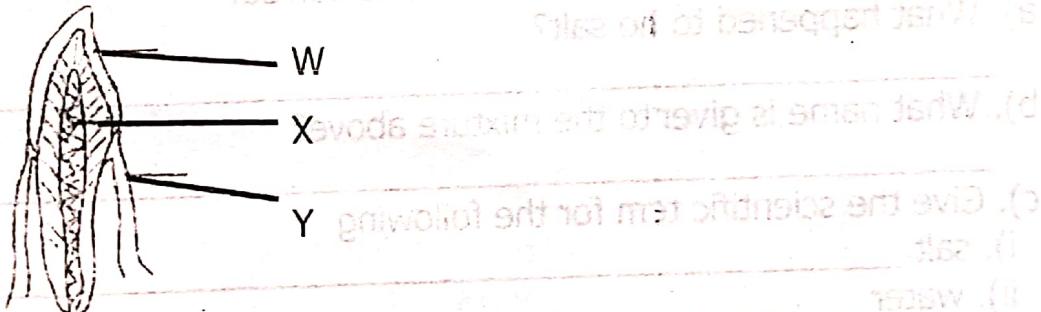
41a). Give the meaning of the term sanitation.

SECTION B

- b). State the recommended distance between.
- a water source and a pit latrine _____
 - a living house and a pit latrine _____
- c). Give one danger of building a latrine above the spring water source level.
-

- 42a). How useful is a queen excluder in a modern bee hive?
-
- b). Mention any two factors that may lead to swarming in bees.
- _____
 - _____
- c). Apart from honey, give one other product got from bees.
-

43. The diagram below shows a human tooth. Use it to answer questions that follow.



- a). Name the parts labelled.
- X _____
 - Y _____
- b). Which mineral helps in the formation of part W?
-
- c). Give one disorder of teeth.
-

- 44a). State the function of each of the following blood cells.
- White blood cells. _____
 - Platelets _____
- b). Give one example of the following.
- Blood disease _____
 - Heart disease _____

45a). Apart from carbondioxide, name any two other materials one can use to stop petrol fire.

- _____
- _____

b). Why is carbondioxide used to put out fire?

c). Why do firemen bend while putting out fire?

46a). Give the meaning of the term resources.

b). Mention any two renewable resources in the environment.

- _____
- _____

c). Why is crude oil regarded as a non renewable resource?

47. Pius put salt in a container of water and stirred.

a). What happened to the salt?

b). What name is given to the mixture above?

c). Give the scientific term for the following

i). salt _____

ii). water _____

48. The diagram below is of a head of a bird. Use it to answer questions that follow.



a). What does a bird with this type of beak eat?

b). To which group does the bird with above beak belong?

c). Name any two examples of birds with the above beak.

i). _____

ii). _____

49a). Which method of castration is performed by use of a burdizzo?

b). Mention any two ways castration is important in cattle farming.

i).

ii).

c). Give one disadvantage of castration in cattle keeping.

50a). What is a fruit?

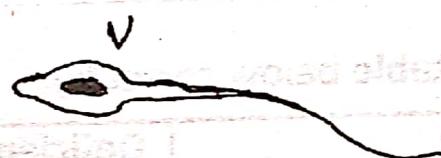
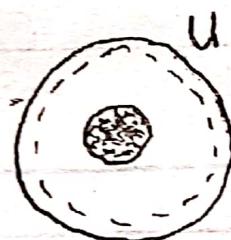
b). Name any two types of fruits.

i).

ii).

c). Give one example of a fruit that develops from the receptacle.

51. Below are human reproductive cells. Study them carefully and answer questions that follow



a). Name the reproductive cells marked U and V.

i). U _____ ii). V _____

b). What important process takes place as a result of the union of the two cells?

c). Which part of cell V enables it to move to the oviduct?

52a). Name the type of skeleton possessed by each of the following organisms.

i). frog _____

ii). earth worm _____

iii). Grasshopper _____

b). Why do some organisms moult?

53. As a way of survival, some people wash cars in wetlands.
- a). Give any two substances from cars that are dangerous to the water body.
- i).
 - ii).
- b). State one way substances mentioned in (a) above is dangerous to the water body.
- i).
 - ii).

54a). What do we call the act of giving birth by a sow?

b). Write down two examples of exotic breeds of pigs.

- i).
- ii).

c). Give one disease that attacks pigs.

55. Complete the table below correctly.

Food shortage	Deficiency disease
Carbohydrates	i).
ii).	Kwashiorkor
Iodized salt	iii).
iv).	Anaemia

THE END