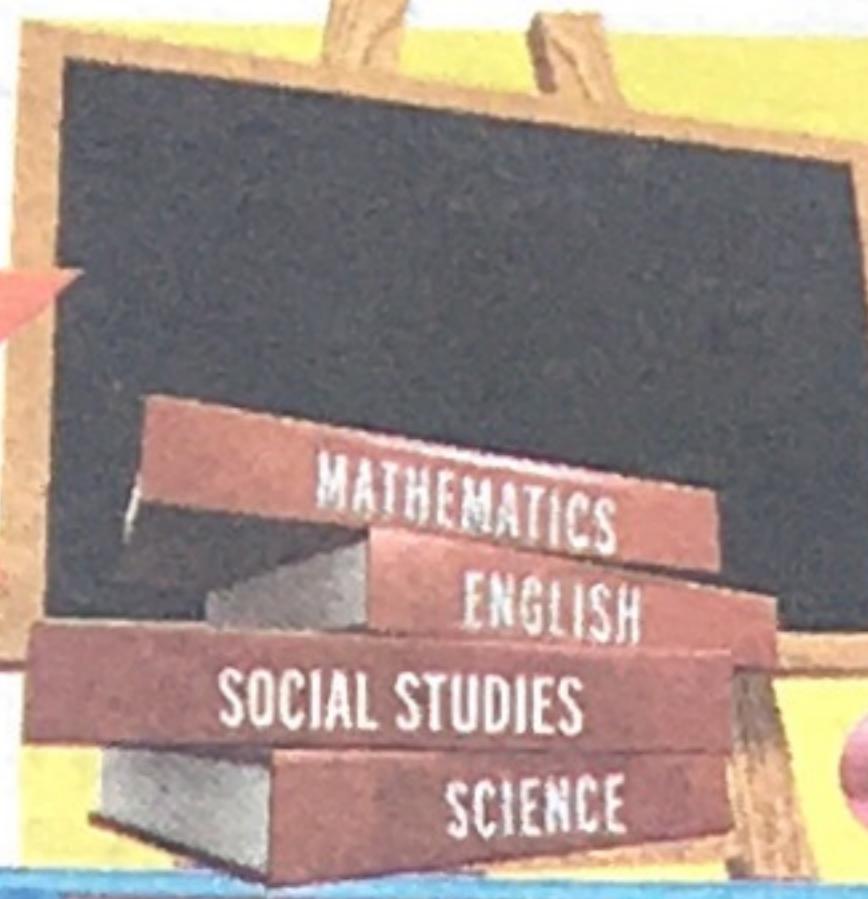


ISSUE  
33



**Bukedde**

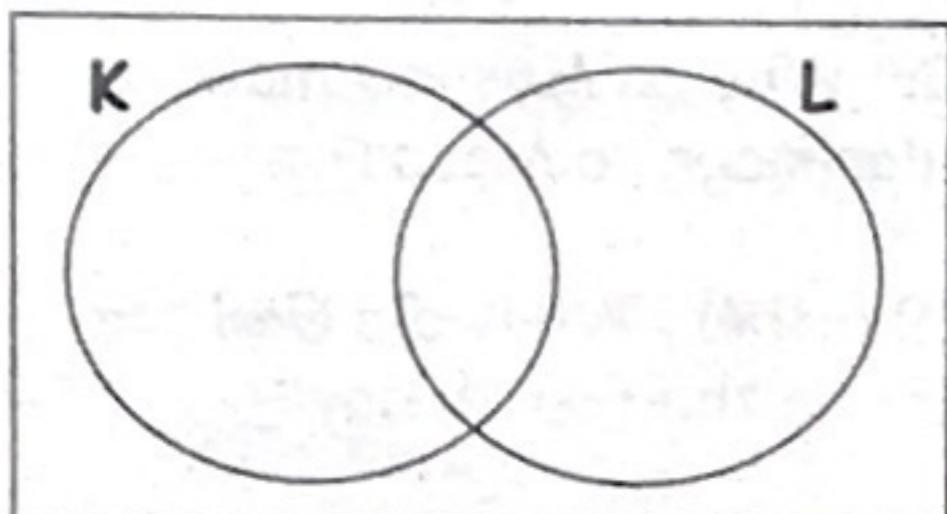
YOUR GUIDE TO A BETTER LIFE THROUGH EDUCATION

$$\begin{array}{r} 2 \ 3 \ 4 \\ + 6 \ 5 \ 1 \\ \hline \end{array}$$

2. Write DCCV in Hindu-Arabic numerals.

$$3. \text{ Simplify: } 5g + 2g - 4g$$

4. In the Venn diagram below shade  $(K \cap L)$ .



5. Round off 49.64 to the nearest whole number.

6. Using a pair of compasses, a pencil and a ruler only, construct an angle of  $105^\circ$ .

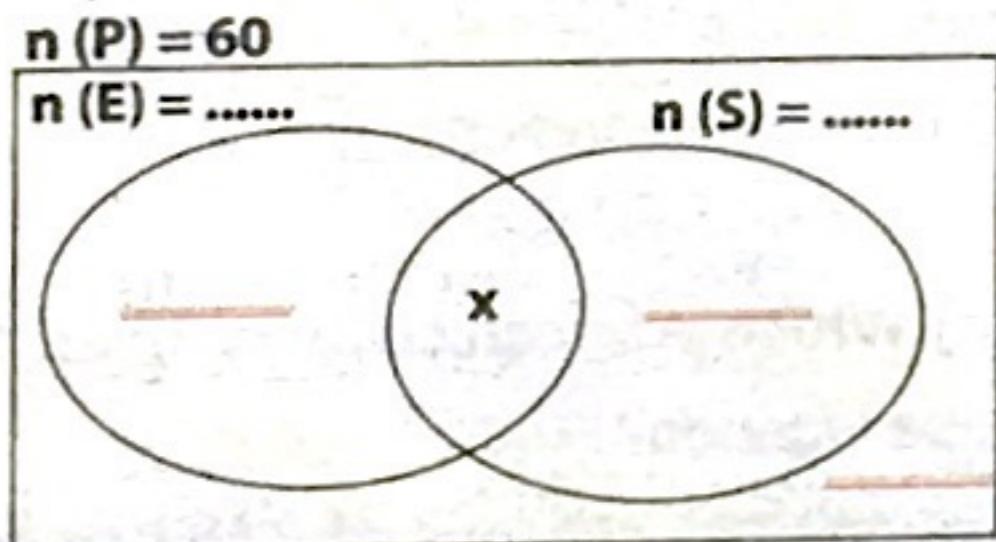
7. Convert 144km/hr to metres per second.



## MATHEMATICS

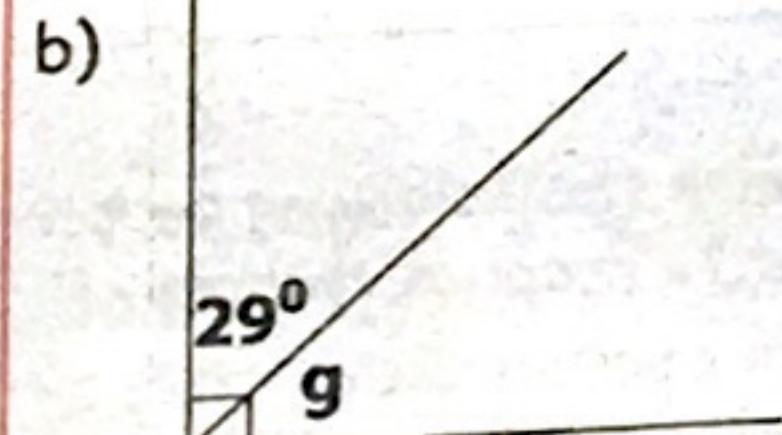
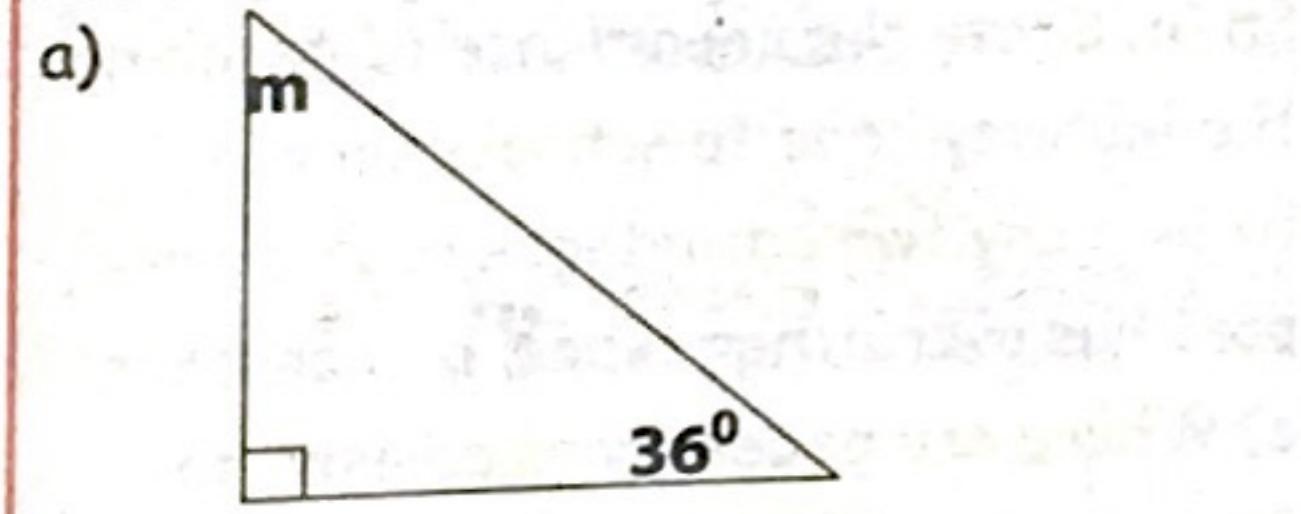
15. Find the range of  $-2, 5, +3, 0$  and  $-4$ .
16. Given that  $x = \frac{2}{3}$  and  $y = \frac{1}{6}$ , evaluate  $\frac{x}{y}$
17. Find the smallest number that can be divided by either 6 or 8 and leaves 2 as the remainder.
18. Simplify:  $-8 - -3$
19. By selling a pair trousers for shs.60,000, a shopkeeper makes a profit of shs.15,000. At what price did he buy the pair of trousers?
20. The area of a triangle is  $24\text{dm}^2$ . If the height is 8dm, find the value of b.

21. In a class of 60 pupils, all like Mathematics (M), 32 like English (E), 30 like Science (S), X like all the three subjects while 5 like only Mathematics.  
a) Complete the Venn diagram below.



b) If a pupil is chosen at random as a prefect, find the chance of picking one that likes at least two subjects.

22. Find the value of the unknowns.



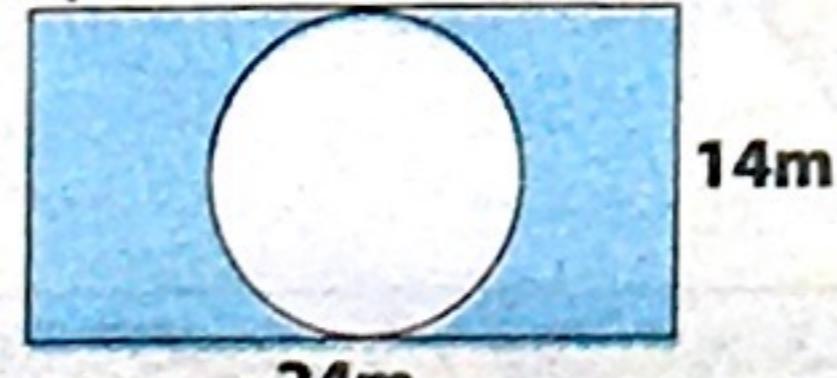
23. Suhana bought the following items from the supermarket.

$3\frac{1}{2}\text{kg}$  of beans at shs.3,000 per kg  
 $2\frac{1}{2}\text{kg}$  of cassava flour for shs.2,400 per kg  
 $\frac{1}{4}$  litre of cooking oil at shs.6,000 per litre.

If he had two notes of ten thousand shillings and he was given a cash discount of 10%, find his change.

24. A farmer planted 45 trees in three days. He would plant two more trees on any other day than the previous. Find the number of trees that were planted on the second day, if 9 trees were planted on the first day.

25. The figure below shows a circular mat that was laid on the table measuring 24m by 14m as shown below.



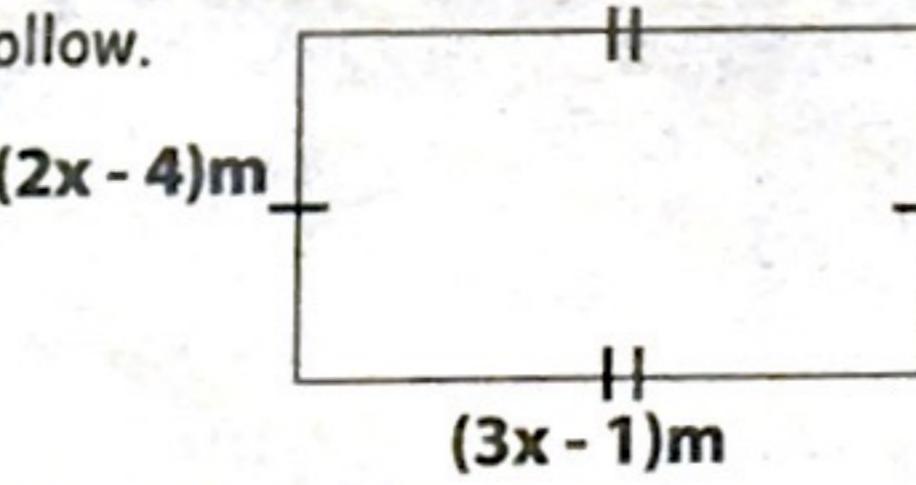
- a) Find the area of the table.  
b) Work out the area of the space not covered by the mat. ( $\pi = \frac{22}{7}$ )

26. The ratio of cows to goats to sheep on Mularo's farm is 3:2:5 respectively. Use a radius of 3.5cm to show the information on a pie chart.

27. a) Work out:  $\frac{1.2 \times 0.9}{0.6 \times 0.2}$

b) Simplify:  $\frac{3}{4} - \frac{7}{8}$  of  $\frac{16}{21}$

28. The figure below shows Mr. Otim's flower garden of perimeter 20 metres. Use it to answer the questions that follow.



- a) Find the value of x.  
b) How many hectares has Otim's flower garden?

c) If he planted poles round the garden at an interval of 100 centimetres apart and each pole costs shs.2,500. How much money did he spend?

29. Paul and Peter were asked to report to court every after 24 days and 30 days respectively for the hearing of

their charges.

a) If they reported together for the first time on Monday, on which day will they report together for the third hearing?

b) The LCM and GCF of x and y is 120 and 30 respectively. If  $x = 40$ , find the value of y.

30. The table below shows marks scored by pupils in a test.

Marks	No. of pupils	Total marks
40	.....	80
.....	6	300
60	3	.....
70	.....	280

a) Complete the above table by showing the working.

b) Calculate the arithmetic mean of the marks.

31. In a school, there are 38 classrooms, 15 of the classrooms have 60 pupils each while the rest have 55 pupils each. Find the total number of pupils in the school.

32. Using a radius of 3.5cm, construct a regular quadrilateral ABCD.

## SOCIAL STUDIES

- Name the horst mountain found in Uganda.
- State any one reason why early man lived near river banks.
- What is bilateral trade?
- Mention any one way in which citizens benefit from taxes they pay.
- Why is mixed farming not commonly practised in East Africa?

6. Name any member country of the East African Community which is also a member of SADC.

7. Why did the early missionaries in East Africa fund the activities of IBEACO?

8. Which national park in East Africa has birds shown in the picture as the main attraction?



9. How will the growing of pyrethrum in the country help to control the spread of malaria?

10. Give any one effect of climate change.



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Greenhill academy  
Kibuli Campus



Mr. Patrick Bugembe  
Mbarara Municipal  
School



Mrs Sarah Matovu  
St Peters Nsambya  
Primary School

## SECTION A

11. State any one factor that attracted the Bantu to settle in the highland areas.

12. How does a dense population promote industrialisation?

13. Why would the increase of fuel prices lead to the increase in prices of other goods?

14. What type of energy is generated by the machine shown below?



15. What is Zambia's main export?

16. Apart from promoting physical fitness, state any other importance of games to school children.

17. Why does Uganda depend more on Mombasa port than Dar-es-Salaam to import and export her goods?

18. How does the smuggling of goods in and out of a country lead to under development?

19. State any one positive effect of the rebellions which the Africans staged against the colonialists.

20. Name the Pan Africanist who formed the Universal Negro Improvement Association.

21. State the importance of sluices to farmers on Gezira ir-

igation scheme.

22. What do the palm leaves on the feature below represent?



23. Apart from petroleum and its by-products, mention any other item which is commonly transported by pipeline.

24. The distance from town A to town B is 8cm. Using the scale 1cm = 6km. Calculate the actual ground distance between the two towns.

25. Why are some natural resources of Africa not fully exploited?

For questions 26 - 30, answer either Christianity or Islamic but not both.

26. Either: What lesson do Christians learn from the life of Job?

Or : What lessons do Muslims learn from the life of prophet Ayub?

27. Either : Name any one book of law in the Holy Bible.

Or : Name any one Holy book in Islam.

28. Either: Why do Christians visit Namugongo every year?

Or: Why do Muslims make a pilgrimage to Mecca?

29. Either: What did God create on the fourth day?

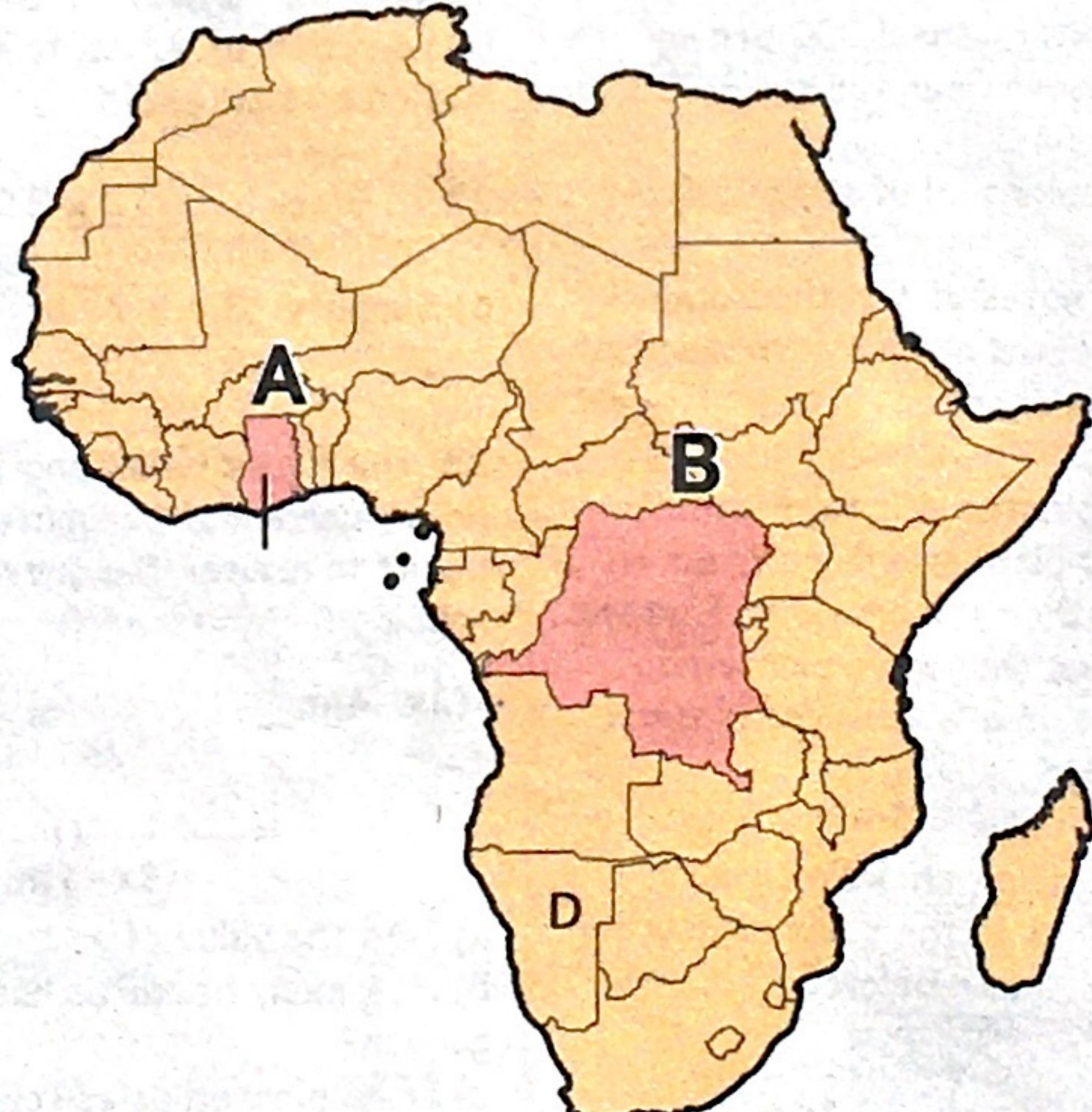
Or: What did Allah create on the fourth day?

30. Either: Name the son of Jacob who was sold as a slave by his brothers.

Or : Name the son of Yaqub who was sold as a slave by his brothers.

## SECTION B

. Use the map to answer question 35



35. a) Name the colonial masters of the countries marked A and B.  
A- .....  
B- .....

b) Give any two peaceful methods used to establish colonial rule in Africa.

36. a) How do good health services lead to population growth?  
b) Give any one advantage of family planning.  
c) State two problems of a high population to the environment.

37. (a) Which African country tried to colonise Uganda?  
b) Give any two reasons why the country named in "a" was interested in Uganda.  
c) Why did colonialists build forts in their areas of influence?

38.(a) State the importance of teaching the highway code to school children.  
b) Give any two advantages road transport has over other types of transport.  
c) Where are pedestrians advised to cross busy roads from?

## FOR QUESTIONS 39 TO 40 ANSWER EITHER CHRISTIANITY OR ISLAM ONLY BUT NOT BOTH

39. Either: (a) What is UWESO in full?  
b) State any two ways how UWESO helps orphans.  
c) Apart from UWESO, name any other Christian relief organ-

isation in Uganda .

Or : a) What is UWESO in full?  
b) State any two ways how UWESO helps orphans.  
c) Apart from UWESO, name

any other Islamic relief organisation in Uganda .

40. Either: (a) Who were the parents of John the Baptist?  
b) Why did his father become

dumb before John was born?  
c) How did John the Baptist meet his death?

Or: (a) Who were the parents of Prophet Mohammad?  
b) How were the following people important to Prophet Mohammad?

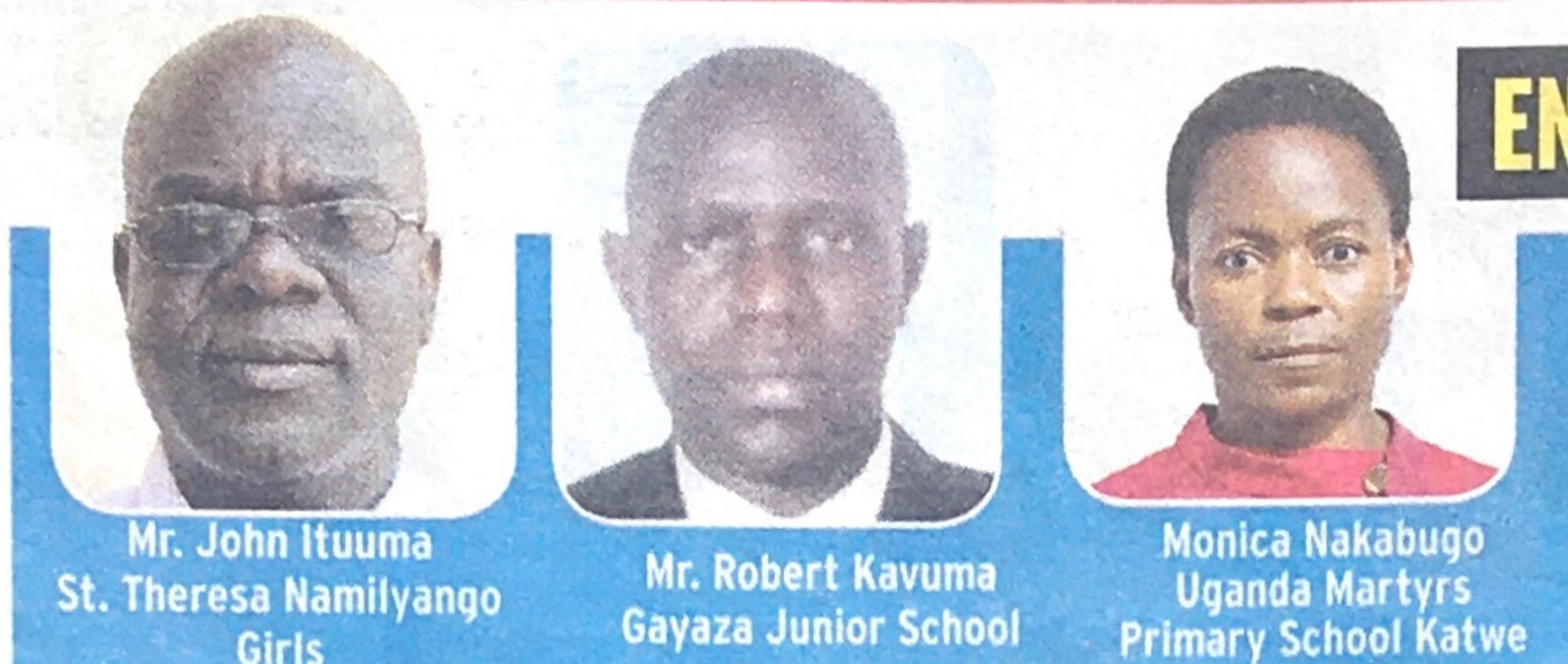
i) Halima- ii) Abutalib-  
c) Why was Prophet Mohammad liked by Abutalib?

In questions 1-10, fill in the blank spaces with the correct form of the words given.

- The National Anthem is always \_\_\_\_\_ during special occasions. (sing)
- The doctor speaks English more \_\_\_\_\_ than the nurse. (fluent)
- My brother's \_\_\_\_\_ at the party did not please me at all. (behave)
- Kapere was involved in the office \_\_\_\_\_. (rob)

- Mukasa is not speaking the truth; he is \_\_\_\_\_. (lie)
- After the wonderful meal, Yuniya \_\_\_\_\_ down on her bed. (lie)
- Dad has \_\_\_\_\_ all the expenses of my hospital bill. (pay)
- The \_\_\_\_\_ boxer was cheered by the captain. (victory)
- We wish she \_\_\_\_\_ louder; we can't hear what she is saying. (be)

- Our class teacher has \_\_\_\_\_ five charts this week on the soft board. (hang)
- In questions 11-15, use a suitable word to complete the sentences.
- The strangers gave me a cake \_\_\_\_\_. I did not eat it.
- The thief was \_\_\_\_\_ a



## ENGLISH

polite man in the community that no one suspected him.

13. Of the two goats, \_\_\_\_\_ one is the fatter?

14. Apio is my great friend, \_\_\_\_\_ is Janet.

15. There were many monkeys on the tree, \_\_\_\_\_?

In questions 16-17, arrange the words in alphabetical order.

16. middle, midday, meddle, mingle

17. airport, aircraft, airway, airfield.

In question 18, give the plural form of the underlined words

18. His mouse-trap was bought expensively.

In question 19 -20, write the given abbreviations in full.

19. PMO. \_\_\_\_\_ 20. pp. \_\_\_\_\_

In questions 21- 23, re-write

## SECTION A

each sentence giving one word for the underlined group of words.

21. All the people who had applied for the job did not qualify.

22. The president and all his ministers will meet tonight.

23. The young geese were swimming on the riverbanks.

In questions 24 - 25, Use the given words in meaningful sentences to show that you understand what they mean.

24. their \_\_\_\_\_

25. there \_\_\_\_\_

In questions 26 -28, give the opposite of the underlined words.

26. Is it true that Musoke's niece is seriously sick?

27. The examination was so dif-

ficult

28. The bestman was smartly dressed.

In questions 29 -30, rearrange these words to form a meaningful sentence.

29. done Jane homework her has?

30. illness to John due not well

did do.

In questions 31 -50, re-write the sentences as instructed in brackets.

31. It was not necessary for Mpaka to eat the little girl's apple.

(Re-write the sentence and use .....needn't.....)

32. Zaake is a very honest man. (Re-write and begin: How.....!)

33. As soon as the bell rang, we

## QUESTIONS.

- Who has written this letter?
- To which school does he go?
- What shows that this is an official letter?
- To whom is the letter addressed?
- When was the letter written?
- What is the writer complaining about?
- Give other words to mean:
- i)recommended \_\_\_\_\_
- ii)request \_\_\_\_\_

- Which candidates are said not to be following the electoral process guidelines?

42. Study the list below which was found at Kawomera Restaurant at 15 miles Bombo Road and in full sentences answer the questions about it.

## MENU

Food items	Drinks	Cost
Chips and chicken	Soda	23,000
Matoke and beef	Water	30,000
Matoke , rice and beef	-----	41,500
Katogo	Water	3,000
Chips and liver	Yoghurt	1,500
Chapatti	Tea	2,500

## QUESTIONS

- What is the above information called?
- What is the name of the mentioned restaurant?
- Where is the mentioned restaurant found?
- How many drinks are served at this restaurant?
- Which is the cheapest food item?
- Which food item costs thirty thousand shillings?
- How much can one pay for two plates of chips and chicken?
- Which food item is served without a drink?
- Which is the most expensive food item at this restaurant?
- How much do three plates of Katogo cost?

43. Read the text below and in full sentences answer the questions that follow.

My mother woke me up at 6:00am as usual. I said my prayers, laid my bed and then had a shower. I dressed up and made myself a cup of tea with some cookies. Mother got out the car to drop me to school. Along the way, the car developed a mechanical problem and since I was late, I chose to walk to school. Half way the journey, a lady offered a lift to me. I gladly took up the offer though I had been warned by my parents not to accept lifts from strangers. Before reaching the trading centre, the lady driver turned to a different direction. I told her that I could stop at that point and walk to school but she kept a deaf ear. At the back seat, someone tapped on my shoulder and asked me not to make more noise for them. I kept quiet although knowing very well that it wasn't going to be well with me. I asked my Lord to take control of my life.

## QUESTIONS.

- At what time did the writer wake up?
- What did she have for breakfast that morning?
- How does she go to school?
- By whom is she taken to school?
- Why didn't the writer reach school by their car?
- What did the writer's parents warn her against?
- What happened before they reached the trading centre?
- Do you think the car occupants were good people?
- Give other words to mean the underlined ones in the passage.
- i)gladly \_\_\_\_\_ ii)accept \_\_\_\_\_

## INTEGRATED SCIENCE

## ANSWERS TO ISSUE 34

- What type of a skeleton do earthworms possess?
- Name the force that reduces a teacher's piece of chalk as he writes on the chalkboard.
- How is blood plasma helpful to the excretory system?
- Give one fruit that can be a raw material for making alcohol.
- Identify the type of bee useful during pollination.
- The diagram below shows a thermos flask. Use it to answer questions that follow.



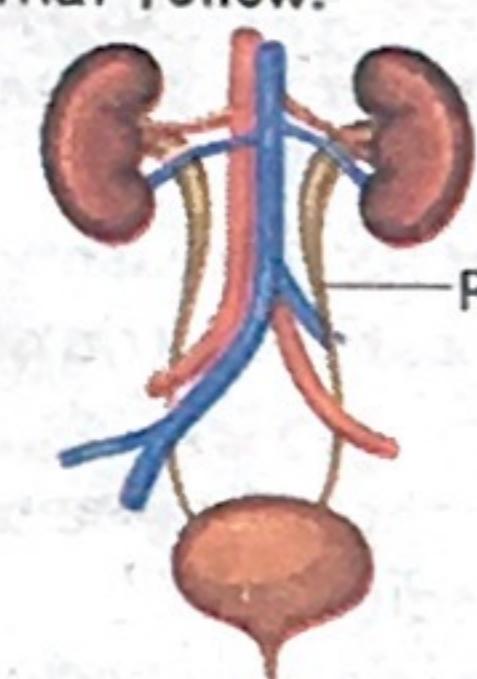
- Name the part marked W
- Give a reason why the above item is not found in all homes.
  - Give one importance of mulching a banana plantation.
  - What is dental flossing?
  - Give one example of an irregular object whose volume can be obtained by displacement.
  - How does a tortoise protect itself?
  - Name the body organ affected by an itch mite.
  - Mention one way of preventing near drowning at home.
  - A block of mass 180g was lowered in a glass full of water. How much water was displaced if it had a density of 45 g/cc.
  - Name the substances that cause chemical digestion in the

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Mugwanya Prep Sch.  
KabojjaMr. Stephen Efumbi  
St Savio Junior School  
KisubiMr. Francis Esou  
Joykim Primary School  
Kumi

## SECTION A

stomach.

- Write down one PIASCY message which encourages school pupils to stay safe from STDs.
- Name the plant process that helps in cooling the plant.
- The diagram below shows a body organ. Study and use it to answer questions that follow.

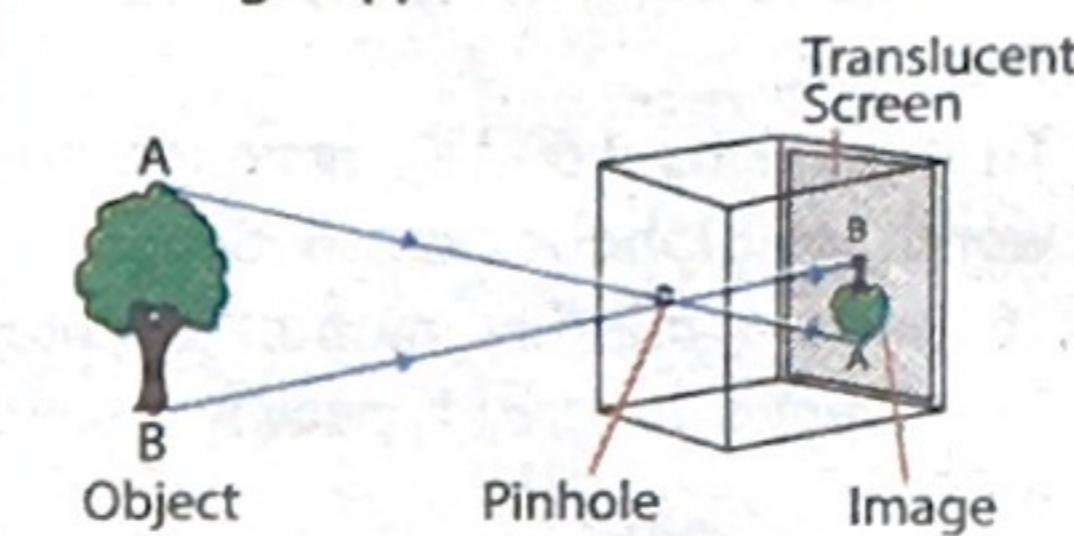


- State the role of the part marked R
- Give one way of maintaining the above organ in a good working condition.
  - Why is nitrogen and argon put in an electric bulb?
  - What is the importance of a strip cup to a dairy farmer?

- Name one immunisable disease spread through drinking contaminated water.
- Write down one activity that promotes sanitation in a school.
- Identify one natural cause of environmental degradation.
- How does tetanus affect the muscular skeletal system.
- State one way of making a generator produce more electricity.
- Which type of mechanical energy does a dove resting on a branch possess?
- Name one natural source of light in the environment.
- Why is water not recommended for putting off petrol fire?
- How are Mango seeds adapted to their mode of dispersal?
- Why would you advise couples to go for gonorrhoea treatment together?
- Give the importance of the albumen during incubation.

- How does oiling of metals prevent them from rusting.

- The diagram below shows how images are formed in a pin hole camera. In the above camera show how the image appears on the screen.



- Why does the image appear as you have shown in 34) above?
- Name the organism which pollinates scented flowers at night.
- Why is a pair of tongs classified under third class levers?
- Name the part of a fish which is used for steering.
- Identify the main product obtained from Saanen goats.
- How is a ligament different from a tendon?

## SECTION B

- Name the insect whose larva stage helps to reduce volumes of faeces in a latrine.
- Give one other insect whose life cycle is similar to that of the insect mentioned in a) above.
- Outline any two characteristics of insects.
- The diagram below shows a certain type of worm. Use it to answer questions that follow.



- Name the worm shown above.
- State the importance of the above worm to a crop farmer.
- To which group of worms does the above belong.
- Give a reason why it's regarded as an invertebrate.
- Name the type of immunity acquired through:
  - Recovering from an illness
  - Vaccination
- Give one role of a VHT in the promotion of immunisation programs.
- Why are pregnant mothers encouraged to always get antenatal care?
- Awilo is a singer. How is he able to produce sound as he sings?
- Give two devices you would advise him to use in order to store

his sound.

- State one factor that can determine the pitch of sound produced by a guitar.

- Match the organisms in A to diseases they cause in B

A.	B.
Salmonella typhi	Malaria
Chlamydia	Typhoid
Plasmodia	River blindness
Onchocerca volvulus	Trachoma

- What term is used to mean the provision of suitable condition to a fertilised egg for it to hatch?
- Outline two factors that may make an egg fail to hatch even when conditions are available.
- State one way an egg is adapted to gaseous exchange.

- The diagram below shows different types of mosquitoes. Study and use it to answer questions that follow.

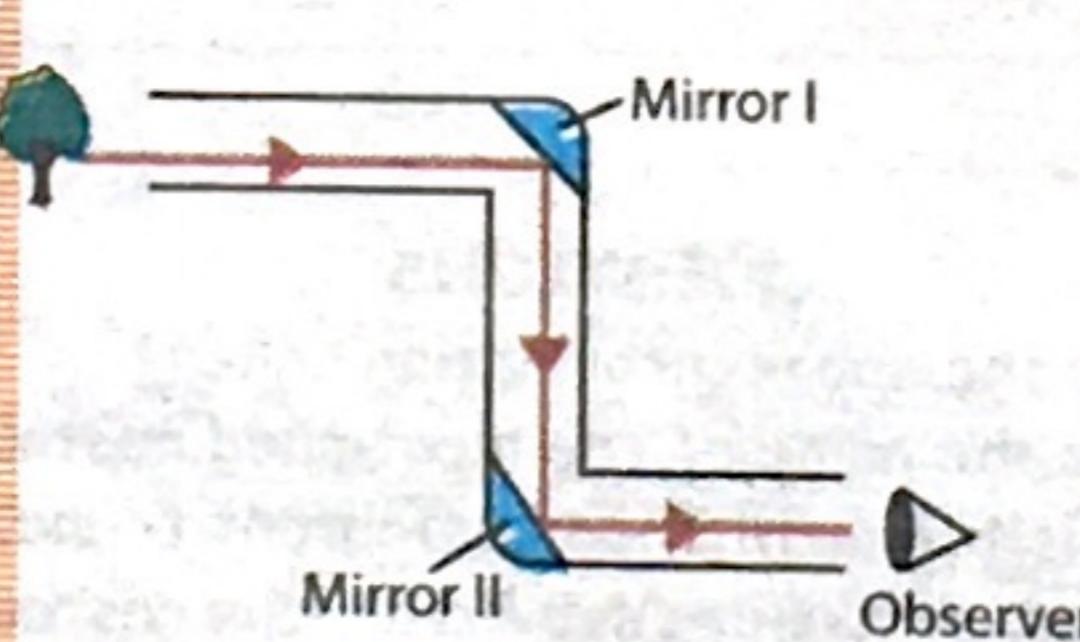


- Identify the type of mosquito labelled K and L.
- Name the communicable disease spread by mosquito K.
- Give one chemical method of controlling mosquitoes at home.
- What are fossil fuels?

- Mention one use of fossil fuels as energy resources.

- State one way of conserving fossil fuels.

- The diagram below shows an optical instrument. Use it to answer questions that follow



- Name the optical instrument shown above.
- Which type of mirrors does the above instrument use?
- How is the observer able to see a person on the ground while hiding?
- Give the use of the above instrument to submariners.
- Name the component of air needed for respiration.
- Briefly explain what happens to the following during inhalation of air
- Lungs
- Diaphragm
- Give one danger of smoking cigarettes to the respiratory organs.
- Give the meaning of the term

truancy.

- Mention any two causes of truancy.

- State one way truancy can be prevented among school children.

- a) State the structural differences between monocots and dicotyledonous plants in terms of :

- Leaf venation
- Root system
- Germination

- How are stomata useful to a plant during photosynthesis?

- A cow was noticed to be having the following signs. Discharge of mucus from the vulva, loss of appetite and frequent urination. State the condition the cow was having at the time it was noticed.

- What advice would you give to a farmer whose cow was seen with such a condition?

- State the importance of colostrum to a calf.

- Mention any two methods of preparing food.

- Why are mothers encouraged to cover food when cooking it?

- Define the term interdependence.

- State two ways plants benefit animals.

- How are producers useful in a food chain?

- Fibrous roots, taproots.

- Brushing the teeth, bathing, washing clothes.

- Pouched mammals.

- Matter occupies space, matter exerts pressure, and matter expands on heating.

- Gives calves a health start, opens the digestive system of calves.

- Manure improves soil fertility which improves on crop yields.

- To prevent anaemia.

- For harvesting root crops, digging in stony areas

- The nose

- Reduce friction.

- Decantation does not kill germs.

- Pupil

- Photosynthesis

- Sharing razorblades can lead to spread of HIV/AIDS.

- Biogas is used as a fuel which reduces the cutting of trees for wood fuel.

- Wearing rubber gloves when handling electric wires

- Ringworms, scabies

- Reduces the speed of running water.

- Dig tunnels which aerate the soil.

- Anopheles mosquito.

- Can kill soil living organisms, can lead to soil erosion.

- Both are propagated by suckers.

- Gas state

- Root system

- Used to sterilise areas for injection, clean wounds

- Clean the environment by feeding on the carrion.

- Scurvy.

- Force of gravity

- Rusting

- Trees absorb carbon dioxide in air and use it for photosynthesis.

- To control houseflies

- To interpret it, to store it.

- Regular spraying and dipping

- Used to generate electricity

- They lose heat by radiation.

- Control pests, control diseases

- Use the antennae for feeling, smelling

- To break the circuit in case of short circuit

- Can lead to poisoning

- Eating little or no sugary foods

- a) Polyenes bags, plastics, herbicides.

- Recycling metallic and plastic scrap, burning plastics

- a) see saw

- levers c) has the pivot, load and fulcrum

- Borehole, crow hammer.

- a) can cure diseases if properly used, have a curative value, are affordable

- b) to prevent effects of overdose and underdose.

- c) To prevent them from swallowing them

- a) Conduction. b) lump 4

- c) It is far from the source of heat.

- d) Convection

- a) Too much light in the poultry house, poor feeding, lack of egg laying boxes.

- b) Debeaking, provide egg laying boxes.

- a) Distribute heat in the body, Help to transport food, hormones, oxygen.