

# PASS PLE

MATHEMATICS  
ENGLISH  
SOCIAL STUDIES  
SCIENCE

Bukedde

YOUR GUIDE TO A BETTER LIFE THROUGH EDUCATION

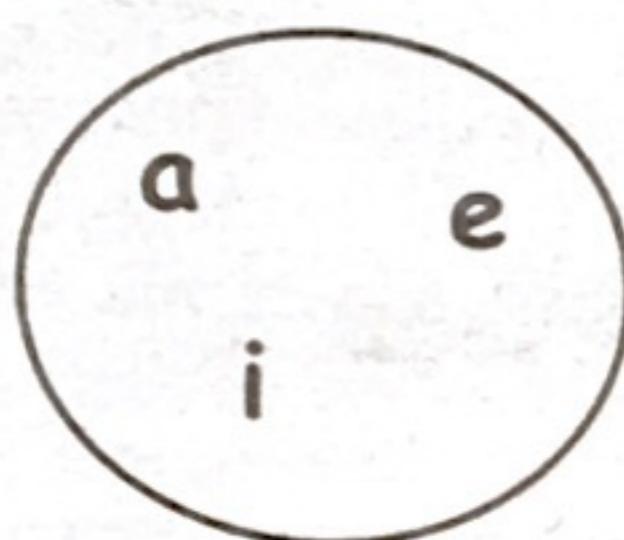
1. Work out:  $20 + 31$

2. Change  $4m^2$  to  $cm^2$

3. Find the sum of the next two numbers in the sequence.

1, 4, 9, 16, \_\_\_\_\_

4. List all the proper subsets in set A.



5. After covering 25% of the journey, Kylie still had 60km to cover. How long was the whole journey?

6. Round off 39.63 to the nearest tenths.

7. A dozen of books costs sh. 72000. What is the cost of 1 gross of such books?

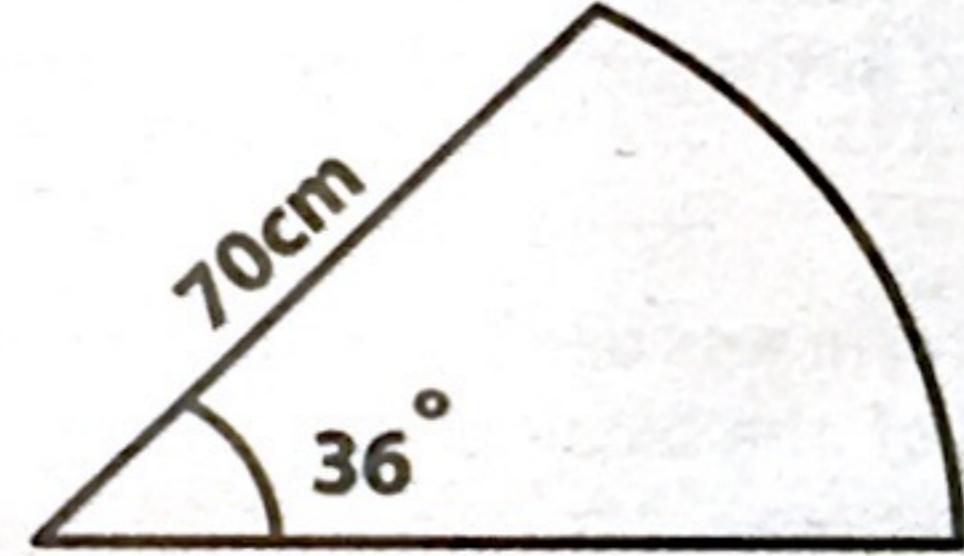
8. Subtract:  $3 - 4 =$  \_\_\_\_\_ (fin 7)



## SECTION A

9. What angle is 25% of its supplement?

10. Find the curve length of the figure below.

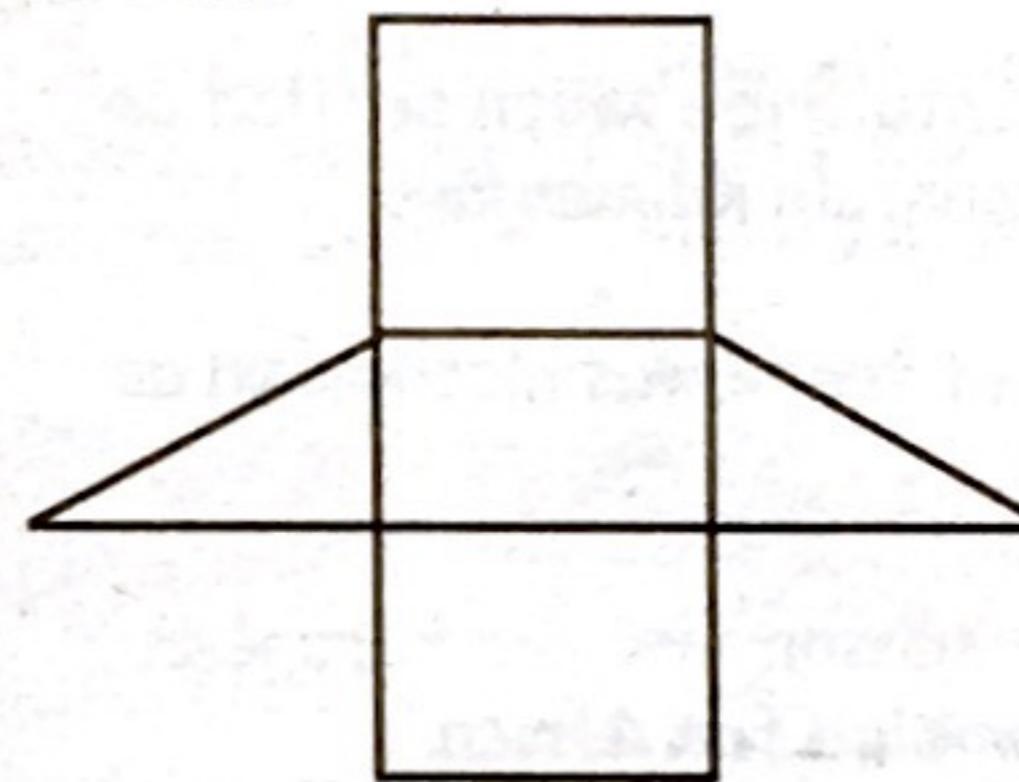


11. Decrease sh. 2,000 by 10%.

12. The volume of a cube is  $216\text{cm}^3$ . Find the length of each side.

13. Factorise completely:  $4x^2y - 8xy^2$

14. Name the solid figure formed from the net below.

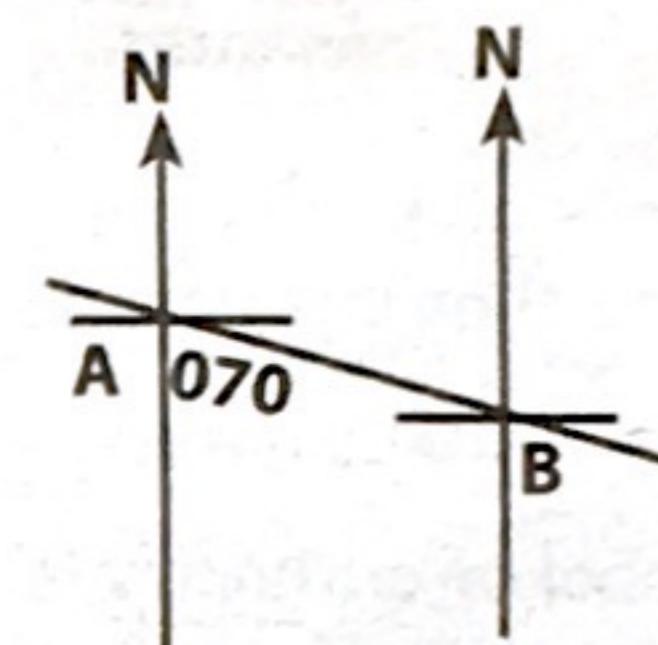


15. Find the GCF of 18 and 24.

## MATHEMATICS

16. Work out:  $\frac{3}{4} \div \frac{9}{16}$

17. Find the direction of town A from town B in the diagram below.



18. Shade  $\frac{1}{4}$  of the figure below.



19. Write CMLXIV in Hindu-Arabic numerals.

20. Find the cost of sending a telegram of 40 words if the first 30 words cost sh. 2000 and each additional word costs sh. 200.

21. Solve:  $103_y = 28_{ten}$   
b) Convert  $29_{ten}$  to quinary base.

22. A trader bought 60 eggs at sh. 30,000. During transportation, some eggs got broken. He sold the remaining eggs at sh. 750 each, making a profit of sh. 1500.

a) How many eggs got broken?  
b) If he had sold all the eggs, what would be his percentage profit?

23. a) Without dividing, prove that 3012 is divisible by 3.  
b) List down all composite numbers between 10 and 20.  
c) Write 0.00492 in scientific notation.

24. a) 2016 was a leap year. Write the number of days in its months of January and February in words.

b) i) Subtract: 

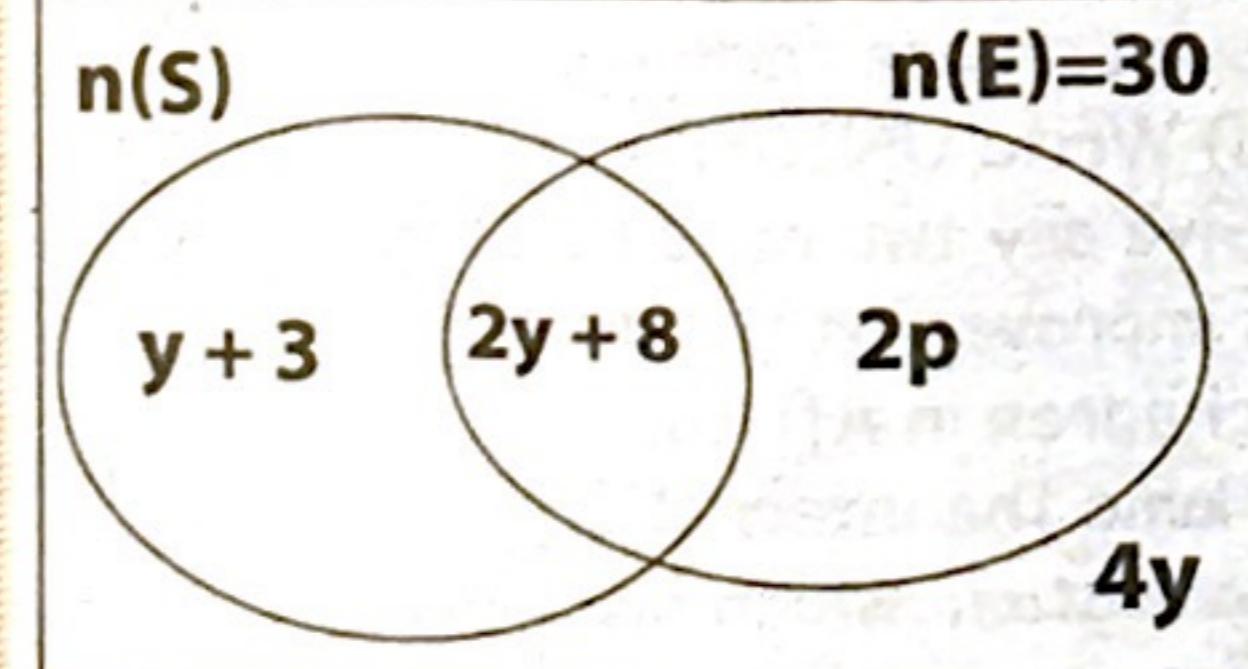
Hrs	Min
4	15
-2	
<hr/>	
45	

ii) Add: 

Weeks	Days
6	4
+ 3	
<hr/>	
5	

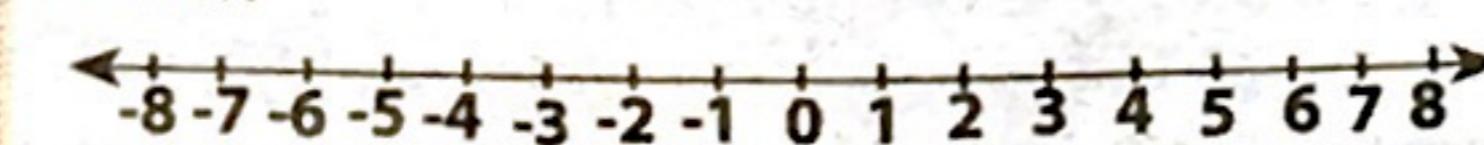
25. In a class, all pupils like Music. Some like Mathematics, some like Science (S) and others like English (E). Study the diagram below and use it to answer the questions below it.

$n(\Sigma) =$



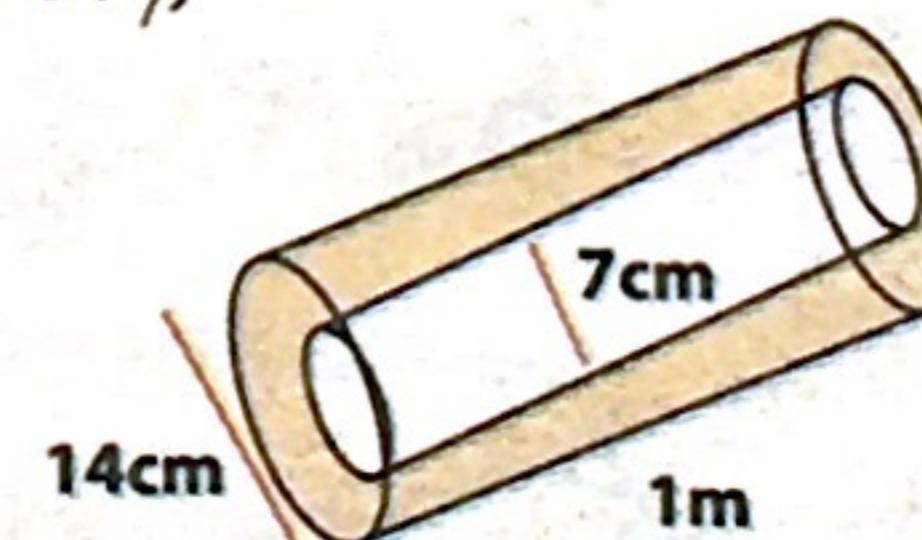
a) If the number of pupils who like English and Science is equal to the number of pupils who like Mathematics, find the value of y  
b) Find the value of P.  
c) How many pupils like only 2 subjects?

26. a) Show  $4x - 2$  on the numberline below.

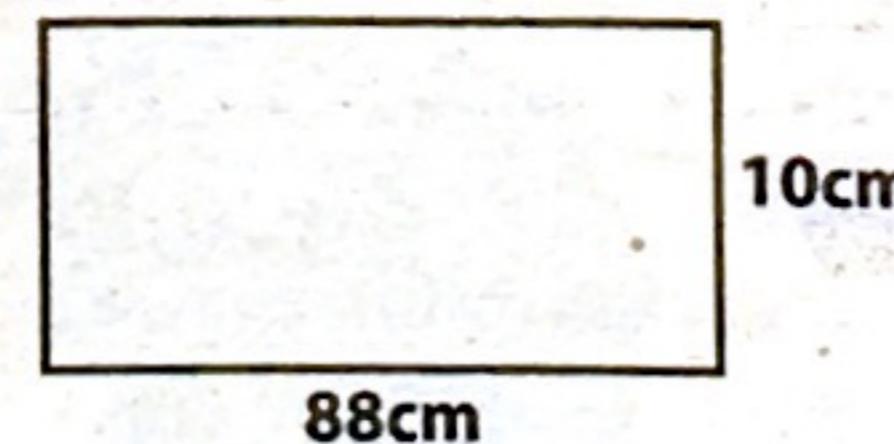


b) Solve and write the solution set.  
 $3 - 2y > 9$

27. a) Calculate the volume of the concrete used in the culvert below. (Use  $\pi = 3\frac{1}{7}$ )



b) The rectangular sheet below was curved to form a cylinder. Calculate the radius of the cylinder formed.



28. Babinga has 15 more cows than Milly. Altogether, they have 55 cows.

a) How many cows has Milly?  
b) How many cows has Babinga?

29. A man spends  $\frac{1}{5}$  of his salary on food,  $\frac{1}{2}$  of the remainder on rent and saved sh. 100,000.

a) Draw a pie chart using a radius of 3cm to show the above information.  
b) Find his total salary.

30. a) Construct a parallelogram ABCD where  $AB = 6\text{cm}$ ,  $BC = 3.5\text{cm}$  and angle A =  $120^\circ$ .

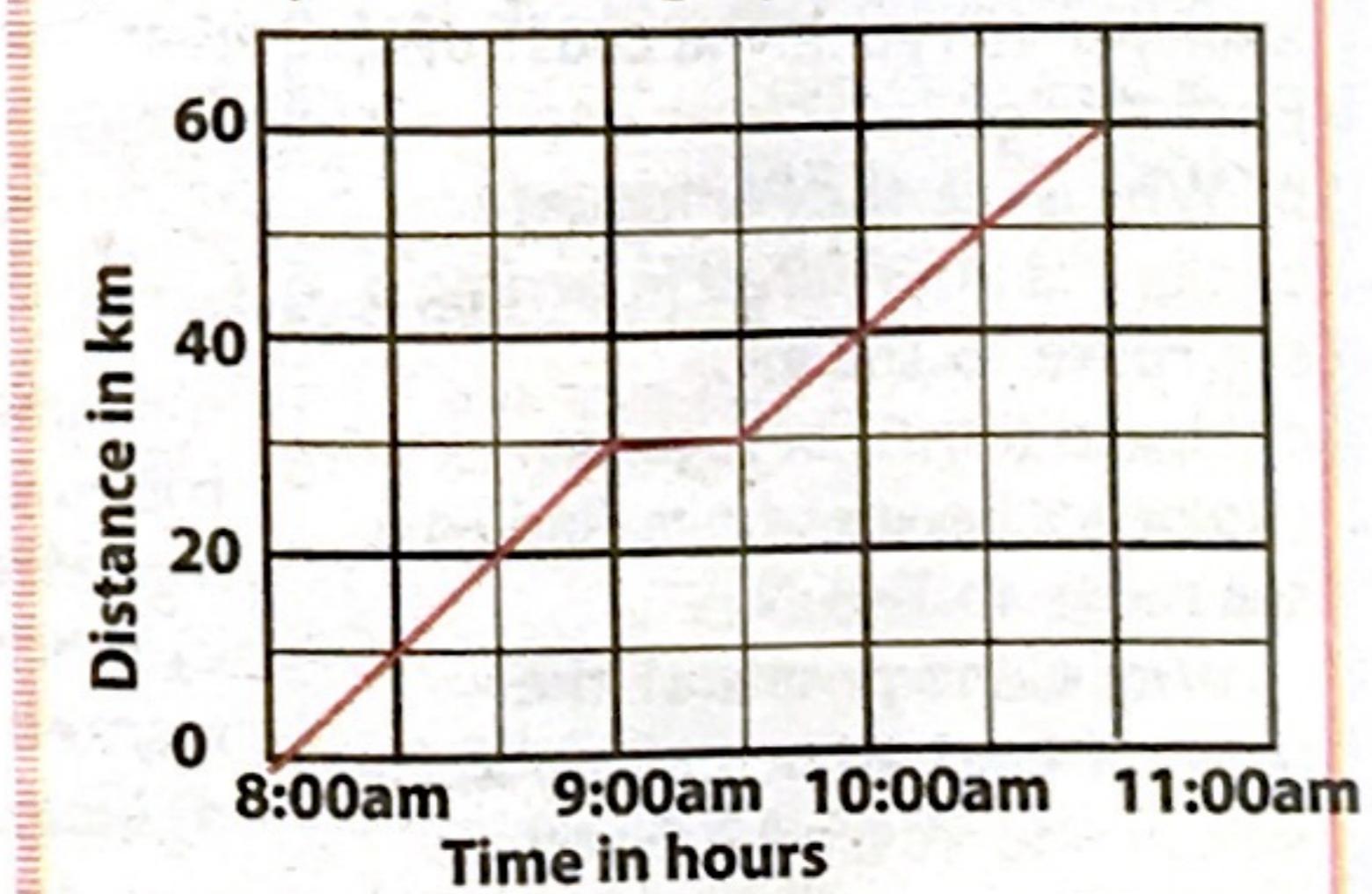
b) Measure diagonal AC.

31. a) Solve for t:  $3^{2t} \times 1 = 81$   
b) Simplify:  $\frac{t^4 \times t^3}{t^5}$

32. a) Two dice are tossed once. What is the probability that the product on the two dice is:

i) odd      ii) even      iii) 9

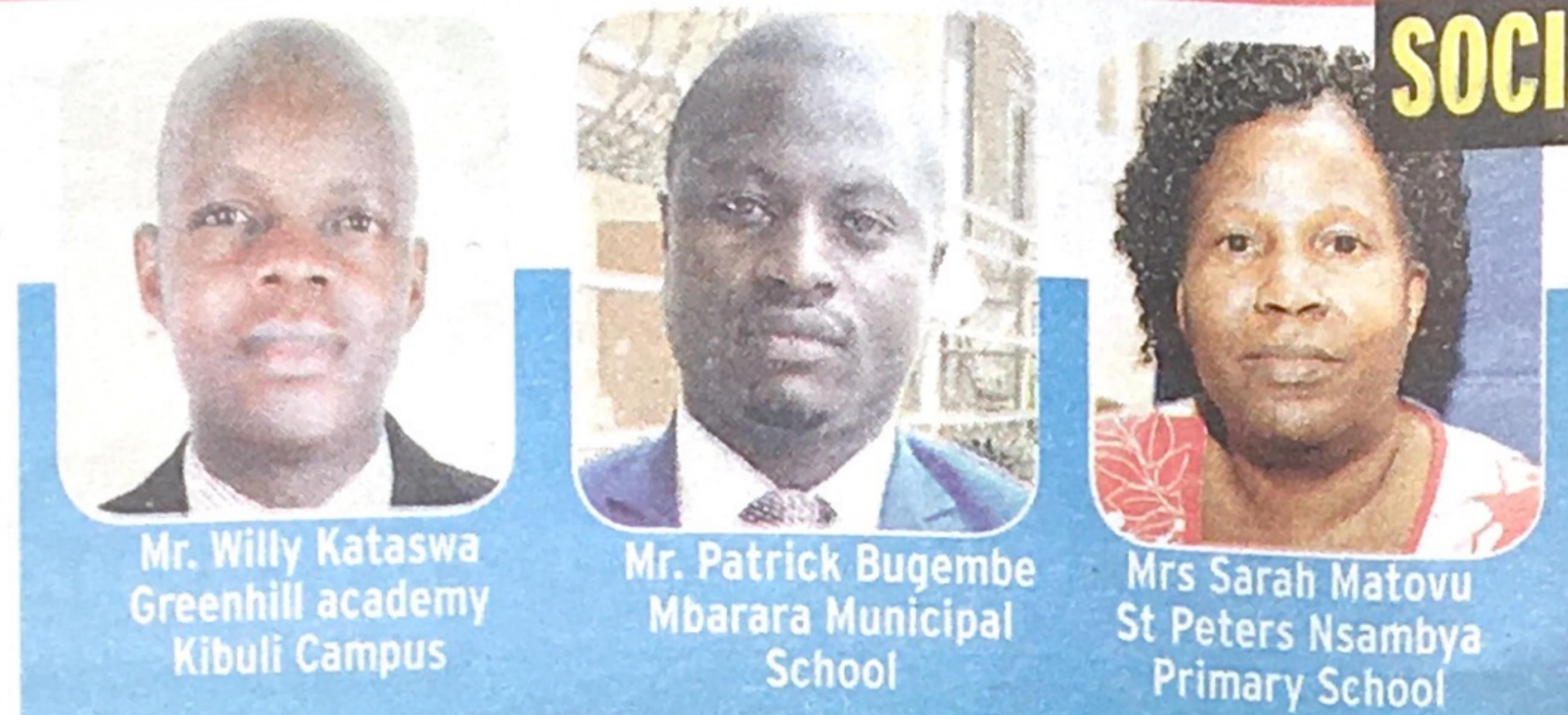
b) Study the travel graph below.



i) What is the vertical scale?  
ii) For how long did the traveller rest?  
iii) Calculate the average speed for the whole journey.

## SOCIAL STUDIES

- 1) How are the effects of strong wind on buildings controlled?
- 2) State the type of weather which requires people to get shelter under a tree.
- 3) How is budgeting important in the development of a school?
- 4) What causes wind?
- 5) How is road transport made possible in mountainous areas?
- 6) State any one effect of warm ocean currents on the climate of Africa.
- 7) What name is given to crops that take more than one year to mature?
- 8) Which symbol of authority is used by the Speaker of parliament during debates?
- 9) Which symbol of the EAC is commonly used during school assemblies?
- 10) Name the water animal found on Uganda's currency.
- 11) State any one effect of global warming.
- 13) Give any one example of Savanna woodlands in East Africa.



## SECTION A

- 11) Why is the bird drawn below respected by Ugandans?
- 14) Which line of longitude determines international time?
- 15) Name the Bantu tribe which settled on the slopes of Mountain Kilimanjaro.
- 16) Which type of trade was also known as triangular trade?
- 17) Give any one reason why the European colonialists scrambled for Africa.
- 18) Mention the earliest people to live in Africa.
- 19) Name the horst mountain found in Uganda.
- 20) Which term is used to mean the strong love for one's country and willingness to defend it?
- 21) Name the Island in Atlantic Ocean where Nelson Mandela was imprisoned for 27 years.
- 22) Why is Colonel Muammar Gaddafi remembered in the birth of the African Union?
- 23) Which term was used to mean the racial segregation of the black people by the Europeans in South Africa?
- 24) Name the country in West Africa which was a home for the freed slaves from America.
- 25) What moral lesson do people learn from the legend of Kintu and Nambi?



OR: How is the symbol drawn below useful to Moslems?



- 31a) What name is given to a group of independent countries which have the king of England as their head of State?
- b) Mention the three countries in the above group.
- 32a) Which kingdom in Uganda got natural security as a result of its location near Lake Victoria?
- b) State any three factors which contributed to the growth and expansion of Buganda Kingdom.
- 33.a) Name the first Portuguese explorer to reach the coast of East Africa.
- b) Why were the Portuguese explorers interested in finding a sea route to India?
- c) How did the Portuguese explorers benefit from finding a sea route to India?
- d) Why didn't people at the coast of East Africa give a warm welcome to Vasco Da Gama

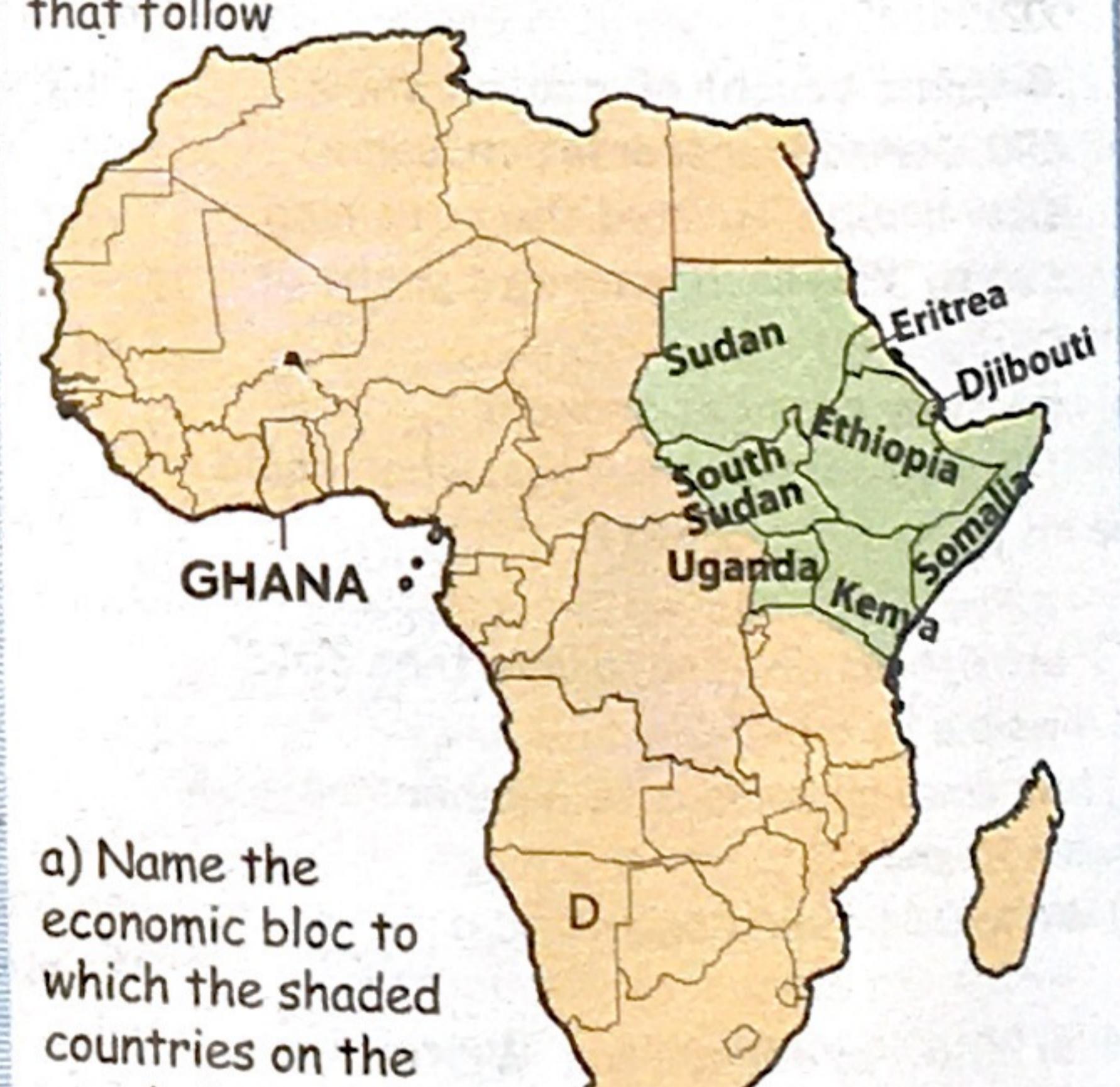
- 34) Study the map below and answer questions about it.



- a) Name the sub-region of Uganda shaded on the map.
- b) Draw and mark River Katonga on the map above using letter R.
- c) What is the common tourist attraction at area marked CCC on the map above?
- d) Name the inland port marked Q on the map.

- 35a) What is Subsistence farming?
- b) State two reasons why most people in East Africa practise subsistence farming.
- c) Give any one disadvantage of subsistence farming.
- 36a) Write UNICEF in full.
- b) Give any two ways UNICEF has improved on the welfare of children in Africa.
- c) Name the international organisation which has UNICEF as its specialised agency.
- 36.a) Which group of people started the idea of iron working in Uganda?
- b) Apart from iron working, give two other economic contributions of the group mentioned in (a) in Uganda.
- c) State the factor which led to the final decline of the rule of the group mentioned in (a) in Uganda.

- 38) Use the map below and answer questions that follow



- a) Name the economic bloc to which the shaded countries on the map belong.
- b) State any two ways regional bodies promote trade among member states.
- c) Give any one challenge facing functioning regional bodies today.

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

- 39) EITHER, a) "I am who I am" Exodus 3: 14
- a) Who said those words?
- b) To whom was the above words said?
- c) State two reasons why that

- person mentioned in (b) was sent to Egypt by God.
- OR:a) Name the prophet of Allah who was sent to go and rescue the Ban- Israelites from slavery in Msiri.
- b) Mention the mountain where Allah called the above prophet to receive the instructions of rescuing the Ban- Israelites.
- c) Give two reasons why Allah chose the above prophet to rescue the Ban- Israelites from slavery.
- 40a) EITHER: a) What is tithe?
- b) State any one reason why Christians pay tithe.
- c) Mention two items that Chris-

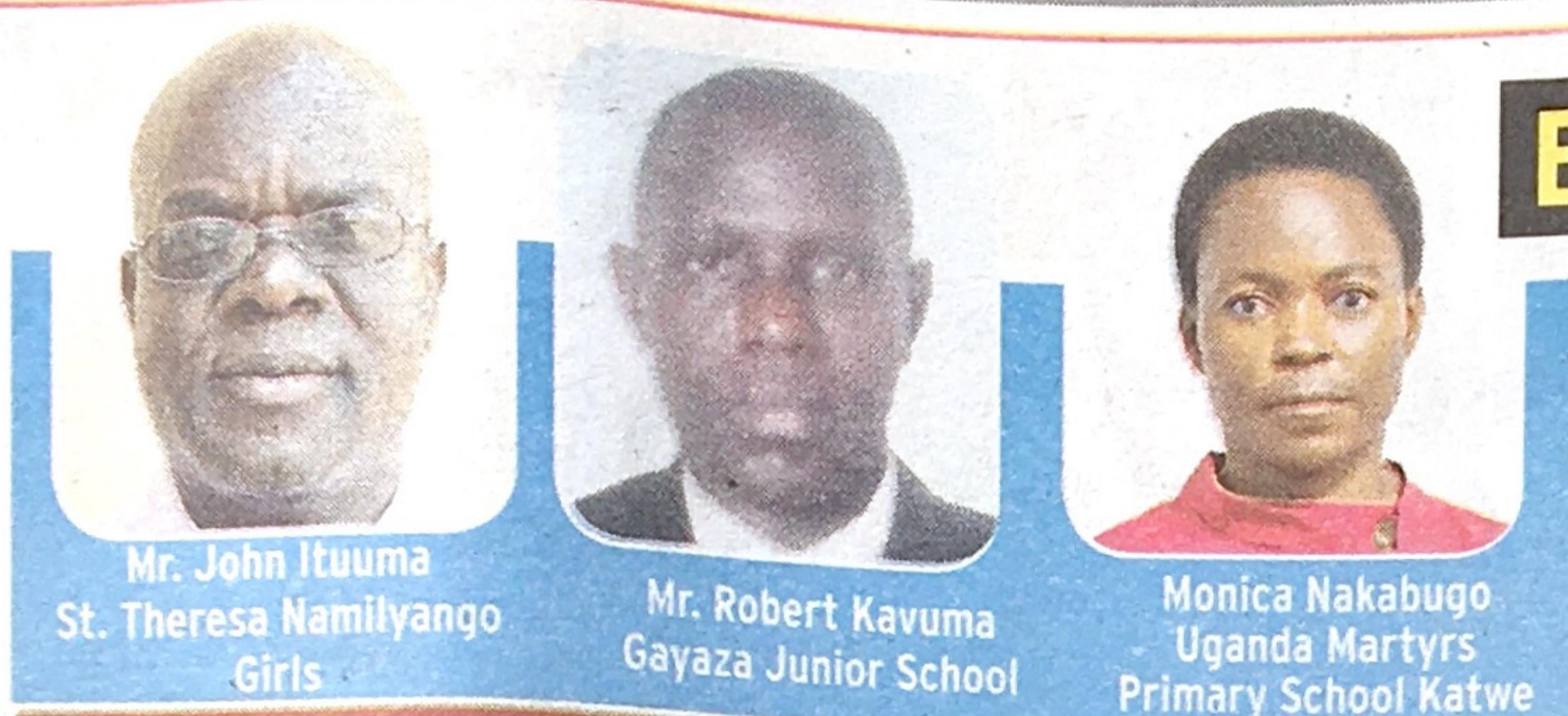
- tians can pay as tithe to God.
- OR: a) What is Zakat?
- b) State any one type of Zakat.
- c) Give two reasons why Muslims pay Zakat.

For questions 1 to 5, fill in each blank space with a suitable word.

- 1) My half-brother is \_\_\_\_\_ university student at Victoria University.
- 2) The baker was smartly dressed and \_\_\_\_\_ was the butcher.
- 3) The tailor hurt his finger because he was not wearing a \_\_\_\_\_.
- 4) That milkman is fond \_\_\_\_\_ selling stale milk.
- 5) \_\_\_\_\_ expensive that piece of furniture is!

For questions 6 to 15, use the correct form of the words given in the brackets.

- 6) The teacher called Agut, \_\_\_\_\_ but she didn't hear (repeat)
- 7) Primary six boys swept the classroom ..... (self)
- 8) Of the two players, Mary is the ..... (famous)
- 9) Shepherds should not ..... the lives of their sheep. (danger)
- 10) It is a decade now since Uganda last had ..... conflicts. (tribe)
- 11) He was the ..... in End of term exams (eight)



## ENGLISH

12) Having eaten food, I ..... on the mat to rest. (lie)

13) My \_\_\_\_\_ is to become a famous carpenter in future. (intend)

14) The accident victims sus-

tained a lot of ..... (injury)

15) We are ..... the pieces of wood now. (smooth)

In questions 16 and 17, write the given short forms in full.

16) a/c \_\_\_\_\_

17) viz \_\_\_\_\_

In questions 18 and 19, re-write the sentences giving one word for the underlined

## SECTION A

group of words.

18) She carefully followed the instructions for preparing a cake.

19) The cattle were not com-  
fortable because the byre was leaking.

For questions 20 to 22, write the plural form of the given words.

20) barracks \_\_\_\_\_

21) ray \_\_\_\_\_

22) butcher's \_\_\_\_\_

In questions 23 and 24, arrange the given words in alphabetical order.

23) Newton, niece, nice, nephew

24) Varnish, vabish, vain, van

In questions 25 and 26, re-write the sentences giving the opposite of the underlined word.

25) My uncle is a journalist at Bukedde FM

26) The furniture was sold cheaply.

In questions 29 and 30, use the given words to make meaningful sentences.

29) flower \_\_\_\_\_

30) flour \_\_\_\_\_

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

31) My brother is a tailor. My cousin is a tailor. (Join using ....as well as....)

32) The pupils said we shall attend the debate in the afternoon. (Punctuate the sentence correctly)

33) If you don't pay all the money, the carpenter will not make for you furniture. (Use... unless....)

34) It was not necessary for the herdsman to torture the cows. (Use....needn't....)

35) It is a long way from school to home, isn't it? (End.....is it?)

36) I like using a drill. I like using a saw more. (Use.....would rather....)

37) Katula is very shabby. He cannot attend the party. (Use... enough....)

38) I am not a fish. I cannot attend the party. (Use....would....)

39) The seamstress sewed my trousers a short while ago. (Use....just....)

40) He did not graze the cows. He didn't graze the sheep. (Join using .... neither)

## SECTION B

41. The table below shows Mock Examination results obtained in 2023 from Amailuk Primary School in Bukedea District. Study the results very carefully and in full sentences answer the questions that follow.

Index No.	Candidate	ENG	SCI	MTC	SST	AGG	DIV
002104/001	Aboyo Peace	1	1	1	1	4	1
002104/002	Abuto Jack	1	2	1	1	5	1
002104/003	Acero Irene	1	1	2	2	6	1
002104/004	Bad Black	1	1	1	1	4	1
002104/005	Beta Irene	2	2	1	3	8	1
002104/006	Cheroticich Stella	2	1	2	6	1	
002104/007	Gatuna Gilbert	1	1	1	2	5	1
002104/008	Goti Fred	1	1	1	3	6	1
002104/009	Muleera Alice	1	2	2	4	9	1
002104/0010	Muskie Paul	1	1	1	2	5	1
002104/0011	Nakayiza Alice	2	1	1	3	7	1

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

There is a new baker in our neighbourhood. His name is Crispo. He is a young man, about sixteen years old. He took baking lessons from the internet. He also studied other skills from YouTube. He purposefully used his mother's phone to search for good information from the net. He has learnt various ingredients and recipes in baking of cakes, cookies and bread. Today he has employed two young men to help him with kneading of the dough in different shapes especially those that are very attractive to customers. He gets a number of orders each day from old and new customers. He earns some good amount of money. He intends to buy a new machine and also set up a modern oven to simplify his work. The modern oven would also help him work on a number of orders in a short time. My dear friends, you should use the internet purposefully and learn new skills.

## QUESTIONS

- a) What does the table show?
- b) In which year were the results obtained?
- c) For which school are the results shown above?
- d) In which district is the school located?
- e) How many candidates registered for examinations?
- f) According to the given information which subject was the best performed?
- g) Why do you think Muleera Alice performed poorly?
- h) How many candidates scored aggregate 4 in the Mocks?
- i) In which subject did the candidates perform the worst?

43 Read the poem below carefully and the answer in full sentences the questions about it.

I direct everybody on the road  
Ready to help you if you read me  
Only if you are able to read  
The words boldly printed on me  
For everyone with normal eyes

Always at one side I am  
On my pair of legs  
Come shine, come rain I am there  
At that same place you'll get me  
Ready to show you where to go

Walkers, cyclists, motorists need  
my help  
I have no mouth, no I don't  
But I speak loudly enough  
Only follow the ride of the arrow  
You'll reach that end of your  
journey.

School children love me  
Visitors and strangers alike need me  
But forget to bid me a farewell  
I never get annoyed, though  
For my work is to serve them.

## QUESTIONS:

- (a) What does the writer do?
- (b) What should one be able to do so as to use the writer?
- (c) What kind of eyes should the user of the writer have?
- (d) How many legs does the writer have?
- (e) Why should the writer be found at the same place?
- (f) How does a person who uses the writer benefit?
- (g) Give one word for the underlined word or group of words in the poem.
- (a) Ready .....
- (b) End of your journey .....
- (h) Why is the writer not happy in the last stanza?
- (i) Who is the writer of the poem?

## QUESTIONS

- a. What is Crispo?
- b. Where does he stay?
- c. How old is he?
- d. In which way has he purposefully used his mother's phone?
- e. How do the two young men help him?
- f. What does he do himself?
- g. What does he get everyday?
- h. How has he planned to simplify his work?
- i. Which advice has the writer given to his friends?

## INTEGRATED SCIENCE

## ANSWERS TO ISSUE 38

- State one danger of electricity at home.
- Mention any one reason why people carry out deforestation.
- Name any one body organ affected by excessive consumption of tobacco.
- How are victims of severe burn protected from dehydration?
- Give the main reason why car tyres are made with threads.
- Why is prevention of hepatitis B possible by abstaining from sex?
- Which type of bee hive has a queen excluder?
- Why is heat transfer by conduction not possible in gases?
- In which way is cattle keeping of benefit to a crop farmer?

The diagram below shows a farming practice in sheep keeping. Use it to answer questions 10 and 11.



- Name the farming practice shown above.
- How is the above practice able to ease mating of a ewe?
- State the function of blood platelets in the human body.
- Besides undergoing sexual reproduction, how are birds similar to mammals in nature?
- Mention any one way an adult person can acquire natural immunity

**Mr. Peter Ssemmanda**  
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Kumi

## SECTION A

The diagram below shows a stage of a butterfly. Use it to answer questions 15 and 16



- Name the stage shown in the diagram above.
- How is the above stage of a butterfly dangerous to a crop farmer?
- State any one way the lungs are adapted to their function.
- How are rats dangerous to people apart from destroying their property?
- Give any one way people use friction in their daily life.
- How is chyme formed in the stomach during digestion of food?
- State any one way a fish protects itself from its enemies.

- Name the gas required by plants for respiration during day.
- Mention the tick borne disease that is caused by a bacterium germ.
- Why is distilled water considered as pure water?
- How does the septum prevent oxygenated blood from mixing with deoxygenated blood?
- How is blubber useful in cetaceans?
- Give any one disadvantage of row planting to a crop farmer.
- How does salt help to preserve fresh meat?
- State the meaning of the term 'vacuum' as used in matter.
- Name the needed component of air that diffuses into a mushroom through the mycelia
- Apart from a snail, mention one other example of a mollusc.
- Express 98.6°F to °C
- In which part of the kidney does actual filtration of blood take place?

- How does the organism below protect its self against its enemies?



- Why do water droplets appear on the outside surface of a bottle with cold soda after being removed out of the fridge?
- Mention any one way bats benefit from echoes in the environment.
- Why is it important to apply quarantine when there is an outbreak of animal diseases in an area?
- Name one byproduct of respiration.
- Why does a lid of a pencil shorten when used for drawing on rough surfaces?
- State the law of reflection that enables us to find angle of reflection.

- Sweeping the compound / burning rubbish
- Hepatitis B
- For them to get enough iron
- To mate and fertilise a queen bee
- Solar energy
- To be able to absorb heat from the sun
- Vitamins and mineral salts are already soluble in nature.
- Oxygen
- Bullying/theft
- Third class levers
- A transformer
- Accidents can lead to loss of body parts.
- A tomato grower gets manure from biogas residues.
- Children can easily take overdose leading to drug poisoning.
- Silk
- Through conduction.
- Enamel
- Ligament
- Isolating victims prevents the spread of germs by air to other people.
- By setting up laws against deforestation / by afforestation
- Condensation
- For breathing/gaseous exchange
- Clay soil has small air spaces which do allow water to pass through easily
- By producing insulin
- For checking whether water has been added in milk or fats have been removed
- Melanin protects us from strong ultraviolet rays of the sun.
- Opportunistic diseases are diseases which take advantage of the weaker immunity to kill a person.
- Debeaking makes the birds' beaks blunt hence making them unable to break the egg shells
- Sugar crystals are soluble in water
- Gully erosion
- For proper health service delivery / for proper planning on people's health
- Light rays are converged towards a focal point
- Respiratory system
- Trachea
- Bryophyllum
- For generating hydro electricity
- Overcultivation can lead to soil exhaustion.
- Mosquitoes
- On a cold day there is no sweating since the pores close so water is eliminated through kidneys
- Metals

## Section B

- Electrolytes are liquid conductors of electricity

- Acids / undistilled water

- This can lead to electric shock

- Borehole water is safe and free from germs / it contains mineral salts
- For mixing drugs / For drip treatment

- Rainfall

- Itching around the anus

- For attachment on the walls of the ileum

- Eating half cooked beef or pork/penetrating the skin when we walk bare footed on damp places

- watercycle

- Bottle of cold water-To condense water vapour

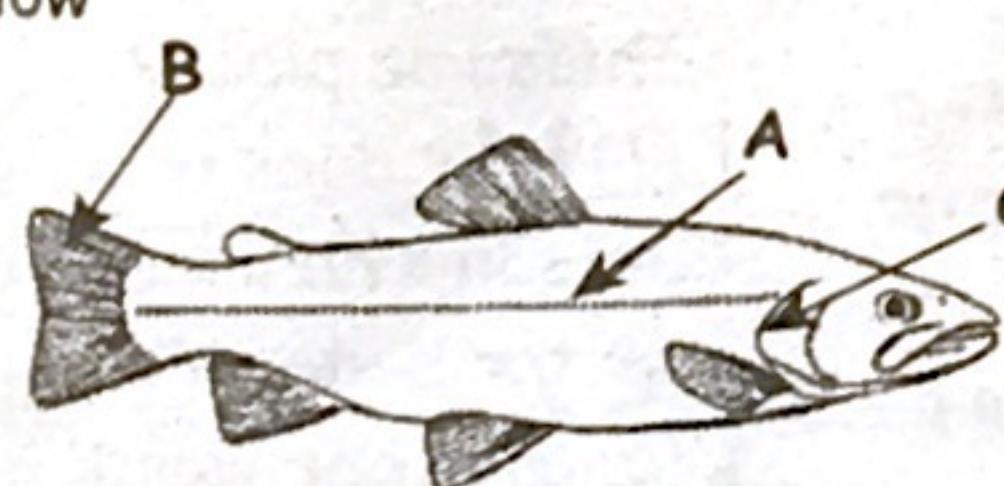
- Charcoal stove -to heat the kettle causing evaporation

- How are the following gases useful to human beings?
  - Nitrogen
  - Carbon dioxide

- Why is oxygen not commonly used in fire extinguishers?

- Mention any one danger of air in the environment.

- The diagram below shows a fish. Use it to answer questions that follow



- Name the part labelled with letter A and B.

- How is structure covered by part labelled C useful to a fish?

- Mention any one reason why the organism above dies when it is removed from water.

- Which intestinal worm causes anaemia in children?

- Apart from causing anaemia, state one other effect of intestinal worms in the human body.

- Mention any two ways of controlling hookworm infection in children.

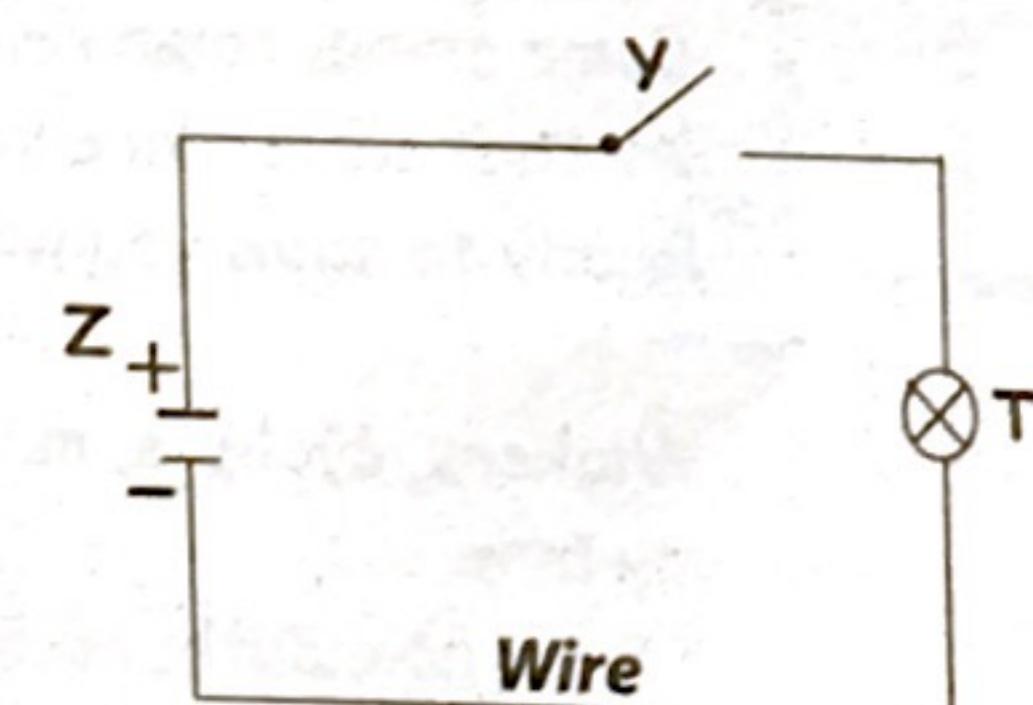
- Name any one example of a storage pest in crop farming.

- How do farmers control storage

pests by:

- preventing them from entering the store
- killing them in the store
- Mention one way crop pests are important to a farmer.

- The diagram below shows a simple circuit. Use it to answer questions that follow



- Name the part labelled with letter Z

- Using an arrow. Show the flow of electrons on the circuit above

- What happened to part T when part Y was closed?

- Give a reason for your answer in question (c) above.

- State any one example of accidents that are common in play grounds at school.

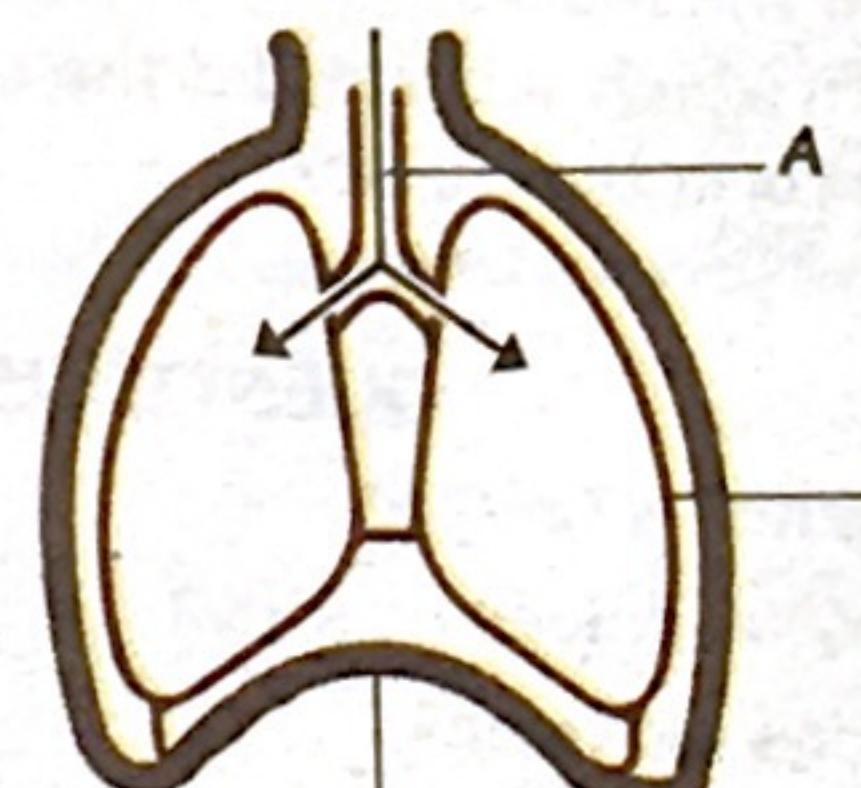
- How can you help a child who has overtorn his or her ankle joint while playing football?

- State any two effects of accidents on the human body.

- State any two causes of natural changes in the environment.

- Mention any two ways people manage natural changes in the environment.

- The diagram below shows an organ of the human excretory system. Use it to answer questions that follow.



- Name part labelled with letter A

- How is part labelled with letter B adapted to its function?

- Mention any two ways of keeping the above organ in its proper function.

- State any two characteristics of seeds that are dispersed by water.

- Why is seed dispersal dangerous in crop farming?

- Mention any one way crop farmers can avoid losses due to seed dispersal

- Give any two examples of anti-social behaviour at home

- Mention one way anti-social behaviours are dangerous among children at home.

- How can a father help in the prevention of anti social behaviours at home?

- State the meaning of the term dehydration.

- How does diarrhoea cause dehydration in children?

- Mention any two ways of treating dehydration in human health.

- Mention any two examples of wheels and axles.

- How do wheel and axles simplify work?

- Give any one application of wheels and axles in our daily life?

- State the meaning of the term 'enzyme' as used in the human digestive system.

- Give any two characteristics of enzymes in the human body.

- Mention one end product of chemical digestion in the human body.

- Match the following body organs and their functions correctly.

- A

- Brain

- Liver

- Heart

- Kidney

- B

- Stores vitamin K

- Balances mineral salts

- Controls hunger

- Pumps blood