

1. Work out:  $153 \div 3$ 

2. Write 205,206 in words.

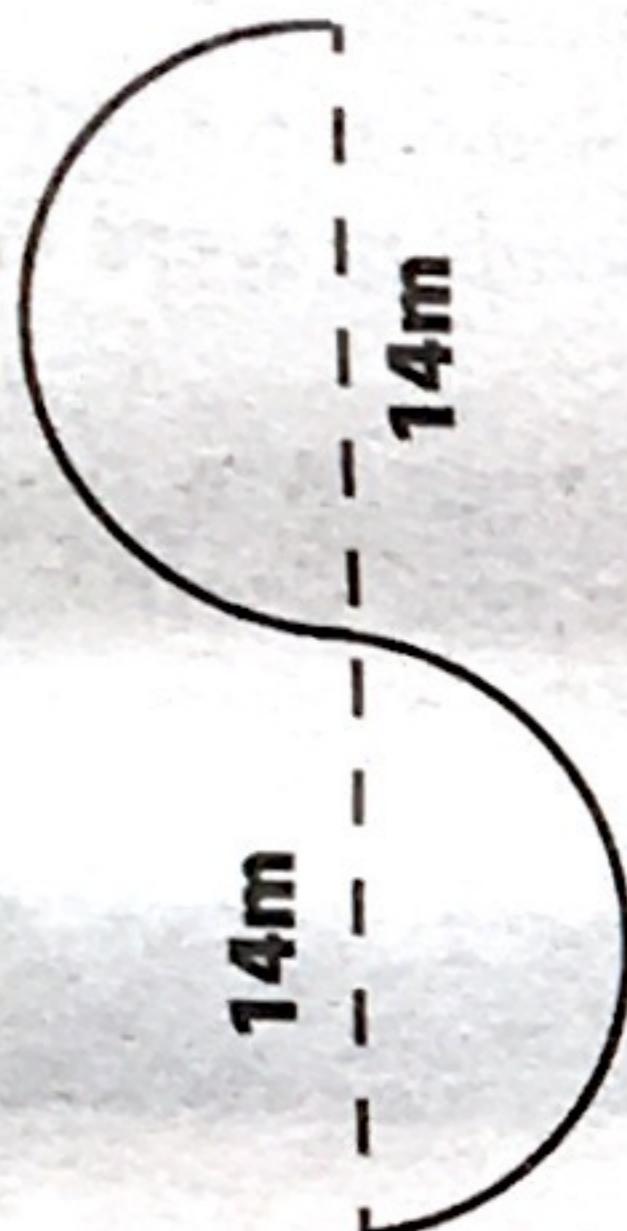
3. Find the complement of  $20^\circ + y$ .

4. How many litres are in 6700ml?

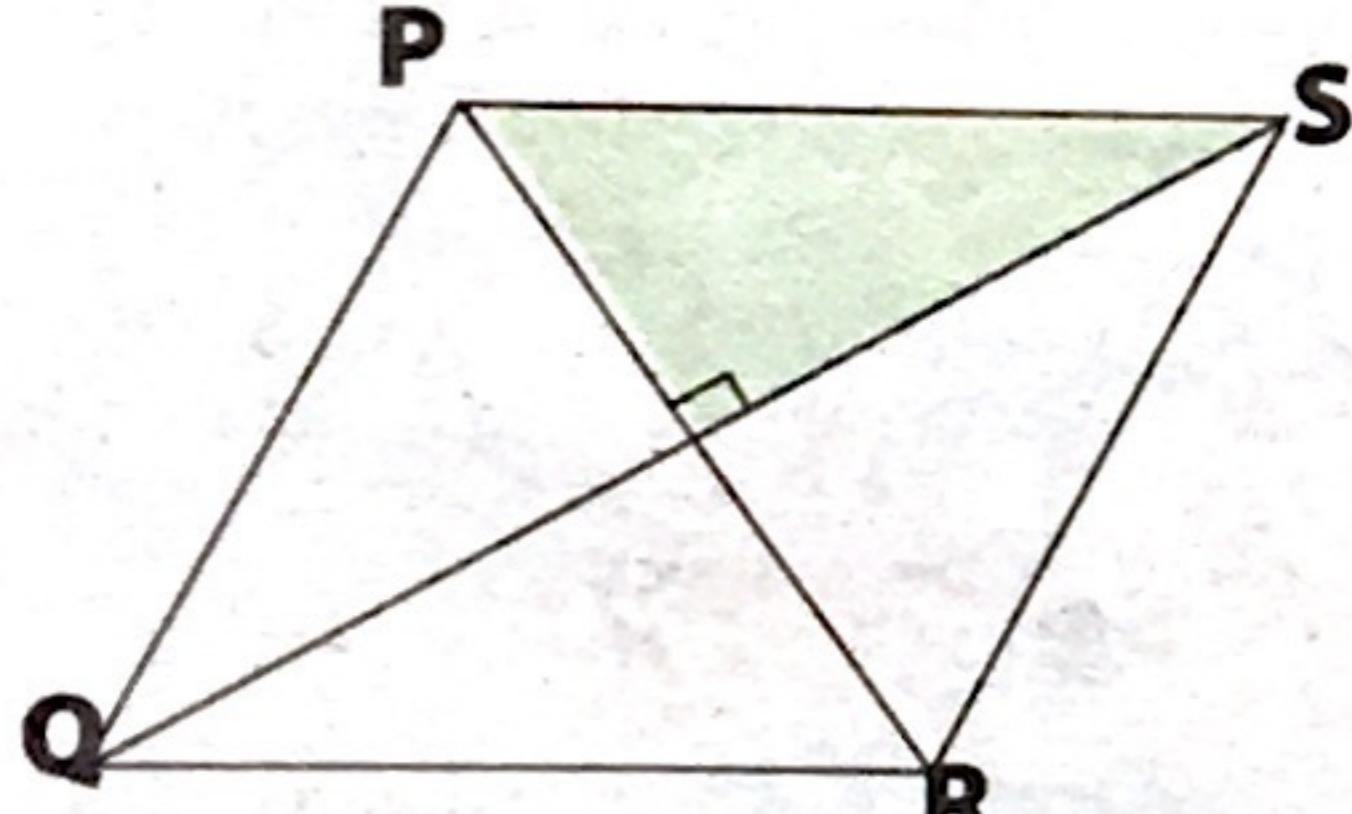
5. After spending 10% of her salary, Aya remained with sh.360,000. How much is her salary?

6. If set  $W = \{\text{All prime numbers less than } 13\}$ , find  $n(W)$ 

8. Find the length of the string shown below:



21. The figure ABCD is a rhombus where diagonal QS = 24cm and PR = 18cm



- a) Find the area of the rhombus.  
b) Calculate the perimeter of the figure.

22. While driving at 60km per hour, a motorist took  $2\frac{1}{3}$  hours to move from town A to town B. She rested for 20 minutes before resuming her journey to town C 140km away in an hour.

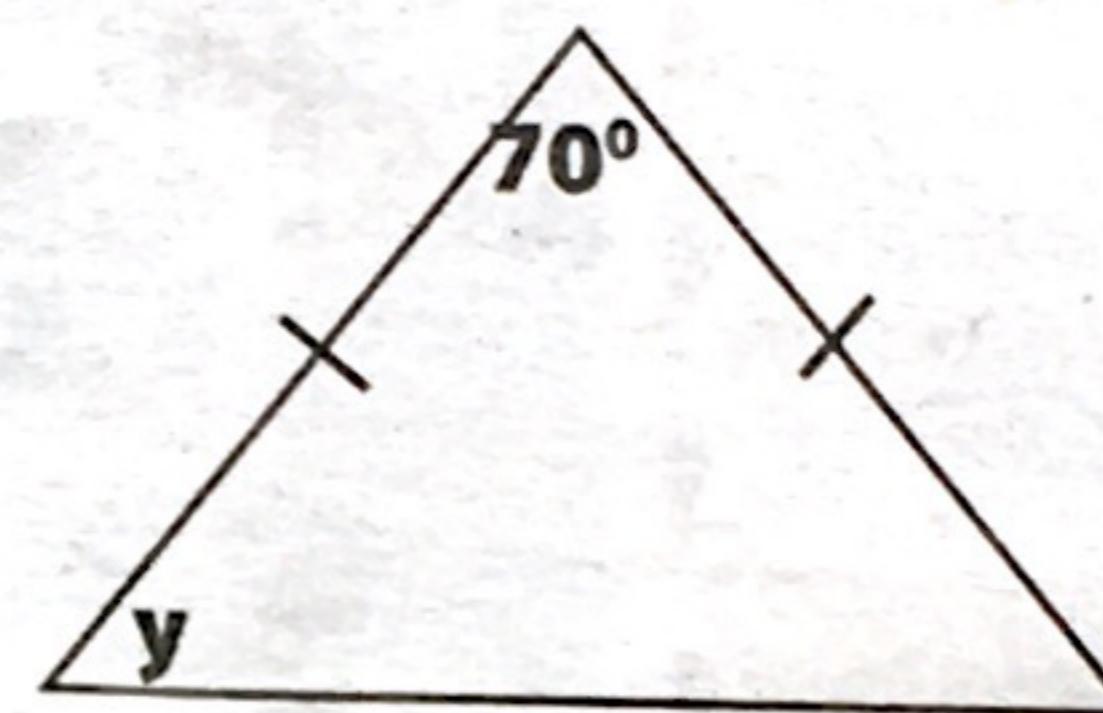
- a) How far is town C from town A?  
b) Work out the average speed for the whole journey.

23. An aeroplane flew from town A on a bearing of  $140^\circ$  to town B 180km away. It then flew on a bearing of  $230^\circ$  to town C 210km away.

- a) Draw a sketch to show the helicopter's flight.  
b) Using a scale of 1cm to represent 30km, draw an accurate diagram of the flight.



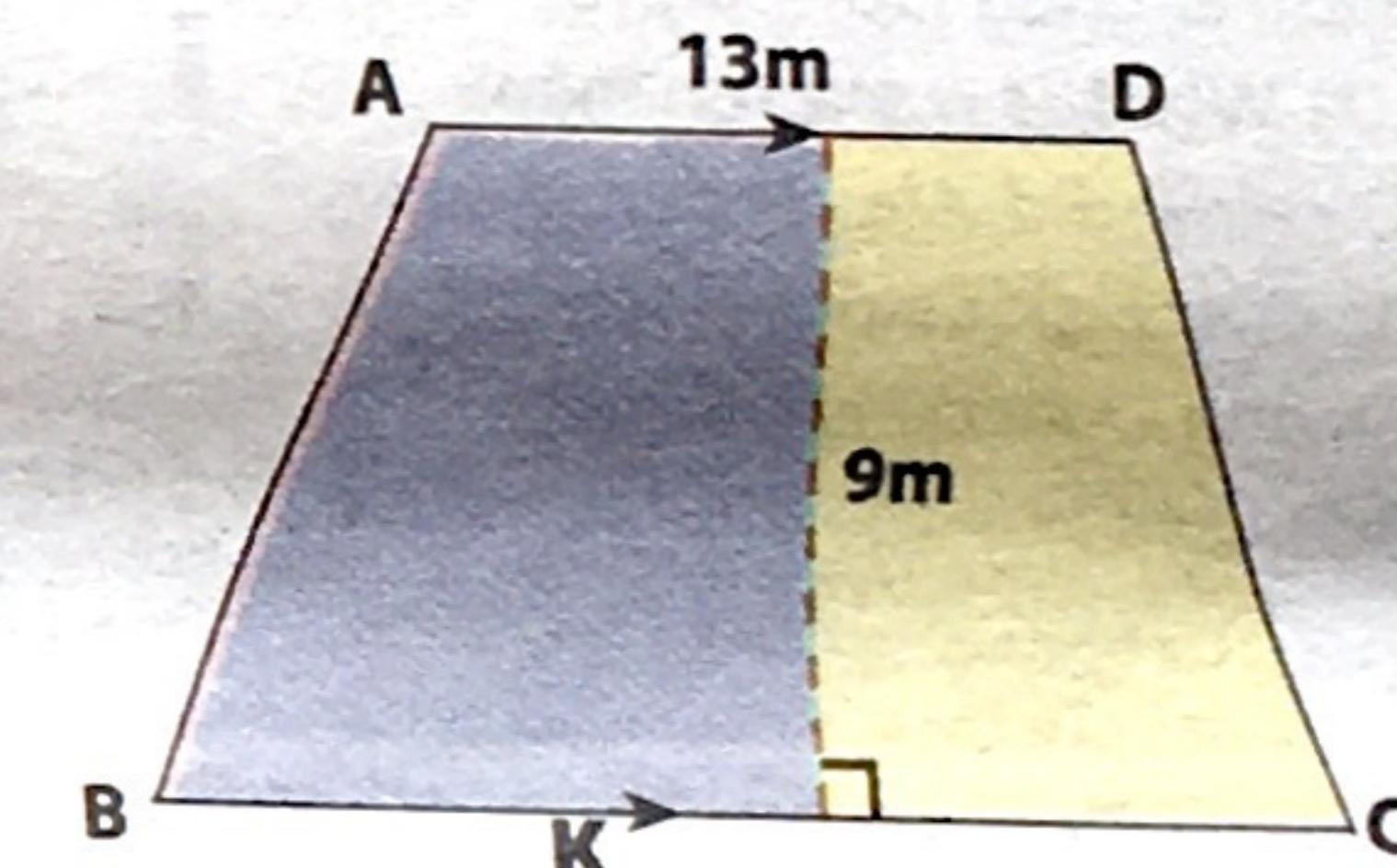
7. If a dice is tossed once, what is the probability that an even number will show up?  
9. Using a ruler and a pair of compasses only, construct an angle of  $45^\circ$   
10. Work out:  
 $(-7) \times (-3)$ .  
11. Solve for y:  $0.25y + 6 = 14$ .  
12. Find  $\sqrt{0.121}$
13. Find the value of y in the diagram below:



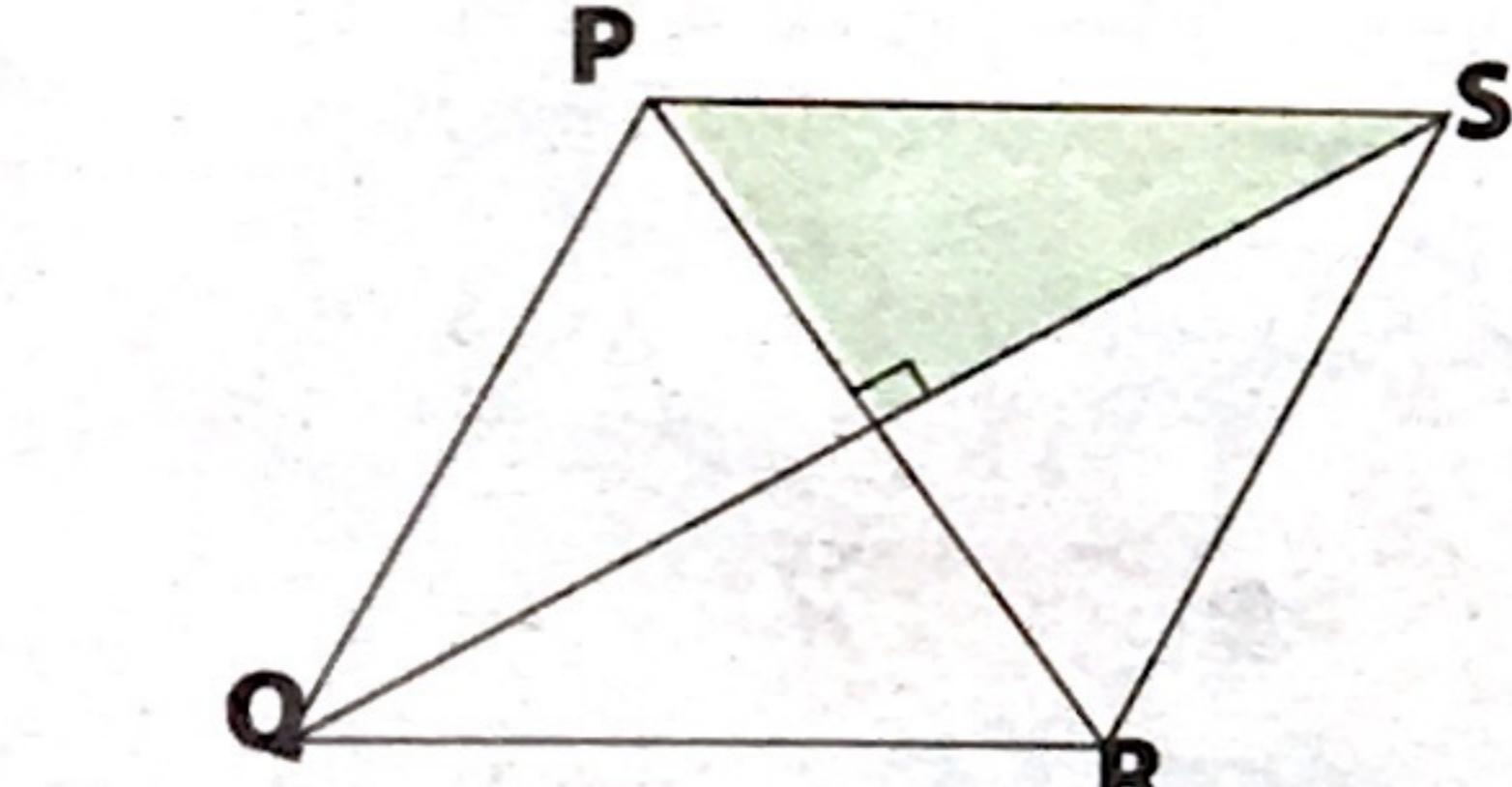
14. A man slept from 11:32am to 2:45pm. For how long did the man sleep?  
15. What number was expanded to give  $(8 \times 10^2) + (7 \times 10^1) + (5 \times 10^{-2})$ ?

16. The range of numbers is 12. Find the smallest number if the biggest is 4.

17. By selling a radio at sh 44,000, Nakato made a loss of sh.6,000. How much did Nakato buy the radio?

18. The bearing of A from B is  $250^\circ$ . Using a sketch diagram, find the bearing of B from A.19. How many proper subsets can you get from set H?  
 $H = \{0, 2\}$ 20. Find the value of K if the area of the figure ABCD is  $135m^2$ :**SECTION B**

21. The figure ABCD is a rhombus where diagonal QS = 24cm and PR = 18cm



- a) Find the area of the rhombus.  
b) Calculate the perimeter of the figure.

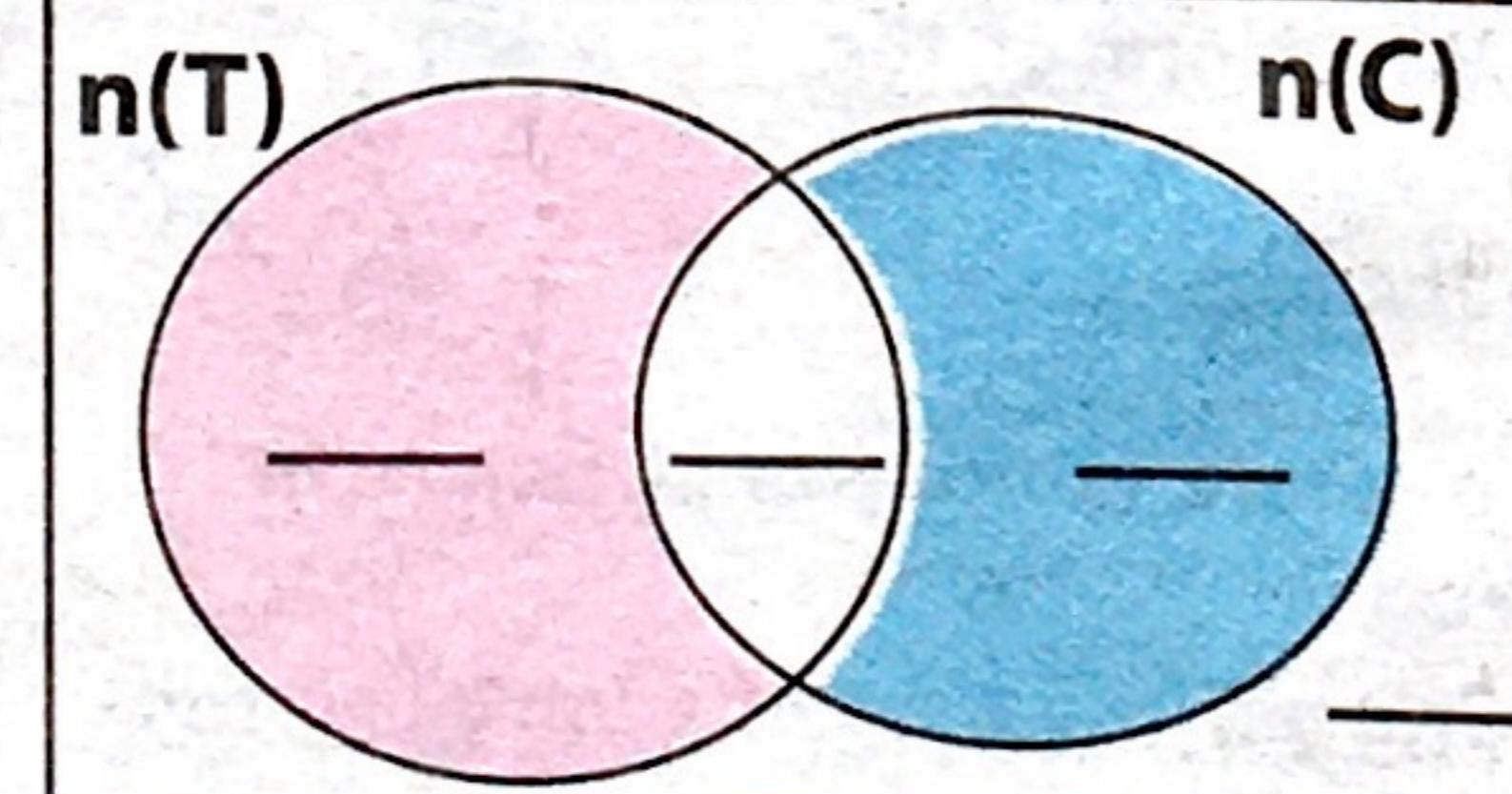
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- a) Draw a sketch to show the helicopter's flight.  
b) Using a scale of 1cm to represent 30km, draw an accurate diagram of the flight.

- a) Represent this information on a Venn diagram below



- b) Find the number of pupils who take neither tea nor coffee.

25. Lozio is half of the age of Joan. In 5 years time, their total age will be 55 years.

- a) How old is Lozio now?  
b) How old will Joan be after 10 years from now?

24. A survey of 200 pupils at Kant's Academy showed that some pupils take tea(T) only, others take coffee(C) only while others take both coffee and tea.

20 take tea only,  
80 take coffee only,  
40 take both tea and coffee.

26. In a certain club at KK Academy,  $\frac{1}{5}$  of the members drink Fanta,  $\frac{1}{20}$  of the remainder drink Coke. The rest, 152 members drink Mirinda. How many members are in the club?

27. Study the exchange rates below and answer the questions that follow:

Currency	Buying Rate Ug sh	Selling Rate Ug sh.
1 US\$	3450	3550
1 Br£ pound	4600	4700
1 Kenya sh.	39	45

a) Sasha had 720 US dollars which she wanted to change into Uganda shillings. How much did she get?

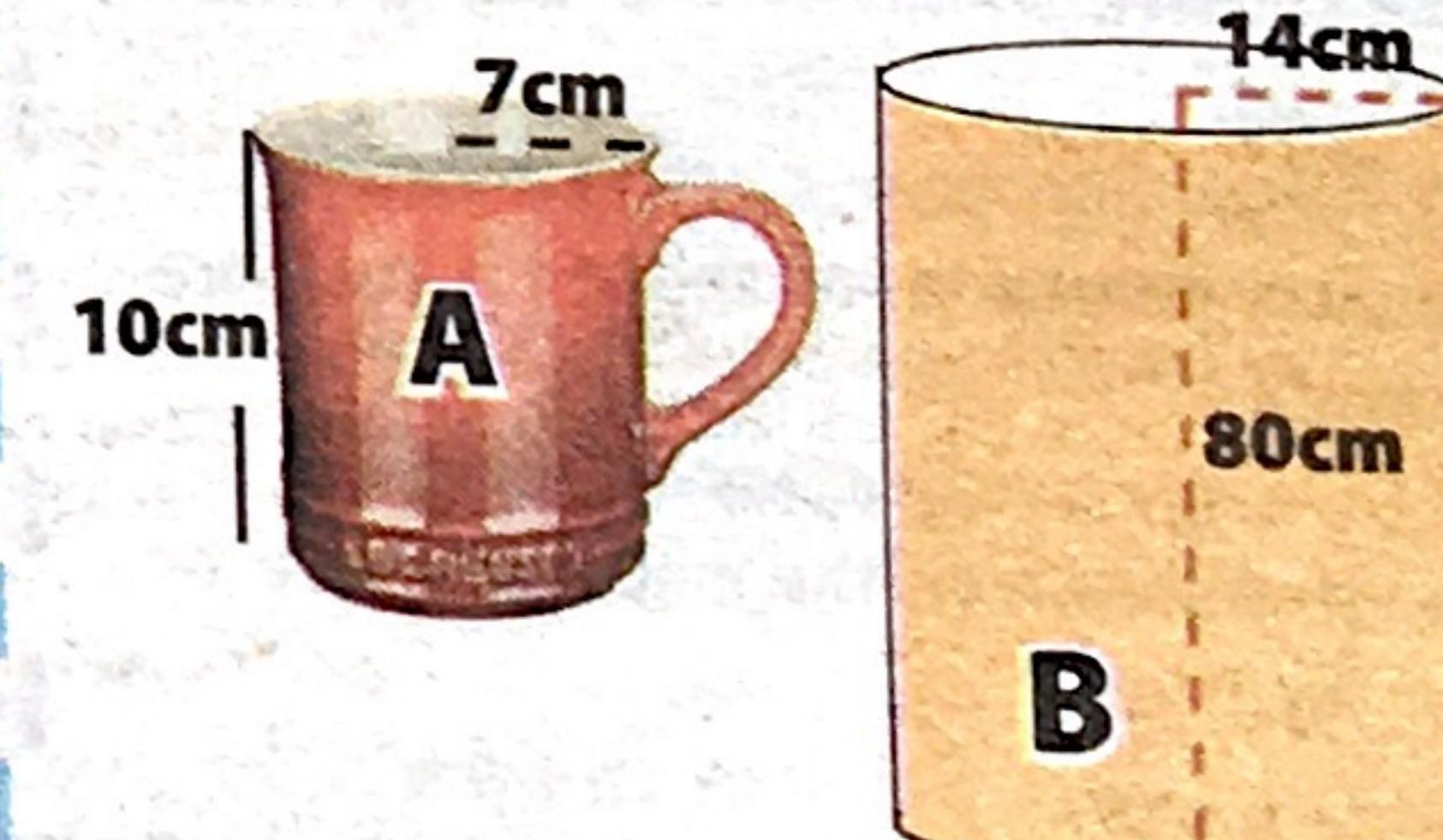
c) Kakooza exchanged Ksh.846,000 to British pound. Find how much she was given.

28. a) Solve:  $3^y \times 3^2 = 27$ .b) Write  $5.047 \times 10^2$  as a single numeral.29. In a school,  $\frac{1}{4}$  of the pupils are Africans,  $\frac{1}{3}$  are Indians. The rest are Chinese.

a) Find the fraction of Chinese pupils in the school.

b) Draw a pie chart to represent this information.

30. If tank B is filled with water, how many cups of size A can be obtained from container B?

31. a) Work out:  
 $(1.75 \times 58) - (1.75 \times 48)$ 

d) Share 6048 goats equally among 14 farmers. How many goats will each get?

32. If  $y = -3$  and  $m = 5$  find the value of:  
a)  $y^2 + m$   
b)  $5y + 2m$

- 1) Give any one social importance of lakes to people.
- 2) Name the African country which has the upper course of River Nile.
- 3) Why is Sir Walter Coutts remembered in the history of Uganda?
- 4) Mention the island in the Indian Ocean where Kabaka Mwanga and Kabalega were exiled by the British.
- 5) How does the Equator locate places on a map?
- 6) Suzan was standing at a point facing East, she then turned an angle of 45 degrees anti-clock wise. What was her new direction?
- 7) How is a frame important on a drawn map?
- 8) Which traditional leader staged a rebellion against Belgian rule in Rwanda?
- 9) Name the European explorer who successfully made his journey from the Coast of East Africa through the Masai land and reached Lake Victoria.
- 10) What is a sketch map?
- 11) How did Alexander Mackay promote skills development among Ugandans?
- 12) Give any cause of election



## SECTION A

- petitions in Uganda.
- 13) How was Church Missionary Society important to IBEACO?
  - 14) Name the Ugandan who designed the National coat of arms.
  - 15) Which agreement finalised the partition of East Africa?
  - 16) How is the feature below useful to road users?
- 
- 17) Why is the type of house shown below called a permanent house?
- 
- 18) Why do traffic officers wear reflectors while on duty?
  - 19) Why do schools set rules and regulations for children?
  - 20) How did Ugandans benefit from joining LEGCO in 1945?
  - 21) Why do people put on sweaters during cold days?
  - 22) Name the leader from Uganda who participated in the meeting that discussed and revived EAC.
  - 23) Which type of rainfall is mainly received around the shores of Lake Kyoga?
  - 24) Which UN organ is responsible for its agencies?
  - 25) Give the political reason for the collapse of EAC in 1977.

## SECTION B

- 31) Study the map below and answer questions that follow.



- a) Name the region of Africa to which the country shown by the map above belongs.
- b) Which European country ruled the country named in "a" above till independence?
- c) Give any two problems facing the country shown on the map above due to her location.

32. a) Mention the local government unit in charge of settling conflicts in villages.

- b) What title is given to the person heading the local government unit mentioned in "a" above?  
c) State any two challenges facing people in rural areas.

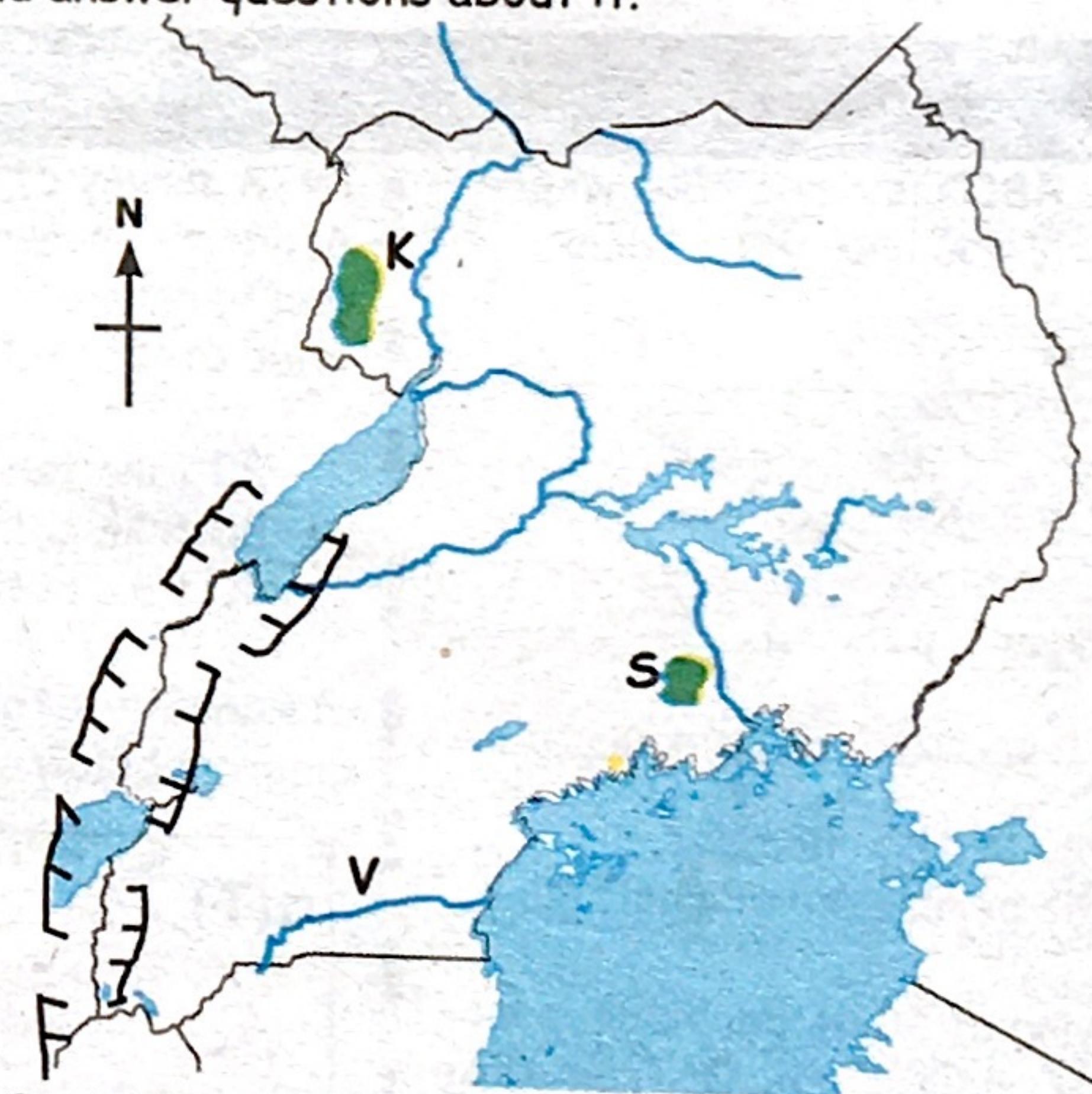
- 33.a) Which area in East Africa was known as the interlacustrine region?

- b) Name the interlacustrine kingdom which was formed in Western Kenya.  
c) State two ways in which kingdoms promote culture.

- 34.a) Give two examples of co-curricular activities done by children at school.

- b) State any one benefit of co-curricular activities to school children  
c) Give any one challenge schools face when promoting co-curricular activities

- 35) Use the map below and answer questions about it.



- a) Name the forests found in the shaded areas K and S on the map.

- b) How is river marked with letter V politically important to Uganda and Tanzania?

- c) Which arm of the rift valley is marked on the map above?

- 36.a) State two causes of famine in Africa

- b) Give any two ways of controlling famine in Africa.

- 37.a) State two climatic factors which influence human settlement.

- b) Why are deserts very cold at night?

- c) Why do areas near Oases have many people?

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

- 38) Either: a) Who is a prophet?  
b) Name the last prophet in Christianity  
c) What type of food did the above mentioned prophet feed on while in the desert?  
d) What role did the prophet mentioned above play in preparation for the coming of the Messiah?  
OR. a) Who is a prophet?  
b) Name the last and greatest prophet in

- Islam.  
c) Give two reasons why the prophet mentioned in "b" above is greatly remembered in Islam.

- 39) Either: a) Which important day marks the beginning of the Holy week in Christianity?  
b) State two ways Christians celebrate the day mentioned in "a" above.  
c) Give any one Biblical event of the Holy

- week.  
OR. a) Which celebration marks the end of fasting in Islam?

- b) State two ways Moslems share joy and happiness on the day mentioned in "a" above

- c) What name is given to the optional night prayers said by Moslems during Ramadhan?

- 40) Either: a) What is a religion?

- b) Which religion was founded by Jesus Christ?  
c) Give any two causes of conflicts among people of different religions today.  
OR: a) What is a religion?  
b) Name the first foreign religion to be introduced in Uganda.  
c) Give any two possible causes of conflicts among people of different religions today.

FOR NUMBERS 26 TO 30  
ANSWER EITHER  
CHRISTIAN OR ISLAM  
QUESTIONS BUT NOT BOTH.

- 26) Either: Who was the wife of Moses?  
OR: Who was the first wife of prophet Musa?

- 27) Either: How many people entered the Ark during Noah's time?  
OR: How many people entered the Ark (boat) during prophet Nuhu's time?

- 28) Either: Who is the true source of happiness in the world?  
OR: Who brings true happiness to Muslims in the world?

- 29) Either: Name the Christian leader who gives the sacrament of confirmation.  
OR: Name the Muslim leader who leads prayers in a mosque

- 30) Either: Why do some people fear death?  
OR: Why do some people fear death?

In each of the questions 1 - 5, fill in the blank spaces with the most suitable word.

1. The mechanic is looking ..... his lost spanner
2. Mary told me to ..... the truth, or else I would be punished.
3. He ..... no sooner turned on the oven than power went off.
4. Immediately we entered the examination ....., the invigilator served the scripts.
5. She sells vegetables so ..... that anyone can afford them.

In each of the questions 6 - 15, use the correct form of the word given in brackets to complete the sentences.

6. We have been ..... about "school Holidays" for two weeks. (learn)
7. Cakes are usually ..... than buns. (taste)
8. ..... speaking, John did not abuse the little girl. (honest)
9. Our mother gave us a lot of ..... during the holidays. (responsible)
10. Some children are fond of ..... to their friends. (lie)
11. The cow is in the kraal with all ..... calves. (it)
12. Most of us could not concentrate on the work because of ..... (hungry)



### SECTION A

13. Many parents treat their children with a lot of ..... (affectionate)
  14. Having failed to ..... the question, I couldn't answer it. (interpretation)
  15. The guests were ..... received at the hotel. (warm)
- In each of the questions 16 to 18, re-write the sentences giving one word for the underlined groups of words.
16. Our teacher does not relate with people who tell lies.
  17. When I could not remember the spelling, I reached for my dictionary.
  18. Aliru sometimes tells his friends answers that are not correct.
- In questions 19 and 20, give the plural form of the given words.
19. fish .....
  20. box of chalk .....
- In questions 21 and 22, re-write each sentence giving the opposite of the underlined word.
21. Excuse me sir, may I come in?
  22. If you respect your uncle, you will not be happy in life.
- In questions 23 and 24, write the full forms of the given words.
23. ref. ....
  24. SIM .....
- For questions 25 - 26, arrange the given words to make a correct sentence.
25. to parents some are disobedient their children.
  26. basket has a every woven pupil?
- In question 27 and 28, use each of the given word in your own sentence to show that you know its meaning.
27. hire .....
  28. higher .....
- In questions 29 and 30, arrange the

### SECTION B

#### Questions

1. In which school is the writer of the story?
  2. How many groups of children are in schools?
  3. What shows that some children are disciplined?
  4. Why do you think some children are able to excel in their studies?
  5. Mention one mistake observed in the class work of children who are not serious.
  6. Which stories are enjoyed by the last group of children?
  7. Why do you think some children don't answer all questions in exams?
  8. How does the writer advise children?
  9. Give one word with the same meaning as the underlined words in the story:
- i) nearly .....
  - ii) without discipline .....

42. The table below shows how some children in Primary Four Red were punished last Saturday. Study it and answer the questions that follow.

Name	Crime committed	Punishment given
Madu	Dodging an English lesson	Told to sit on the floor during lessons for four days.
Ichuli	Abusing classmates	Asked to bring his parents to school.
Kompo	Refusing to mop the classroom	Mopping the classroom alone for one week.
Lutwe	Escaping from school	Suspension from school for two weeks.
Mafene	Refusing to do science homework	Doing more questions than other pupils for science homework.
Matama	Fighting with his friend, Lubuto	Picked rubbish from the compound for 3 days.
Amapiya	Stealing a teacher's phone	Expelled from school

By Mr. Odii Sam (class teacher)

- Questions
- a) What does the table show?
  - b) How many crimes are shown on the table?
  - c) What crime did Ichuli commit?
  - d) Why do you think Madu may have failed to shape letters correctly during lessons?
  - e) How was Lutwe punished?
  - f) Why was Kompo told to mop the classroom for one week?
  - g) For how many days did Matama clean the compound?
  - h) Who was given a lot of science questions to answer?
  - i) What did Matama do to Lubuto?
  - j) Who punished the pupils?

43. Imagine your name is Praxeda and you are a pupil at Mulokoni Public School, P.O. Box 1418, Katale. Write a letter to your aunt in Malongwe Zone. Request her to allow you go and spend your vacation at her home. Mention that you will be doing remedial lessons with your cousins. Inform her of the house chores you will do while at her home.

41 Read the passage below and answer in full sentences the questions that follow.

My being part of Namanyonyi Primary School has given me chance to study the pupils in it. It is an interesting school because of the big number of pupils it has. Three groups of children are in this school, just like it is in other schools.

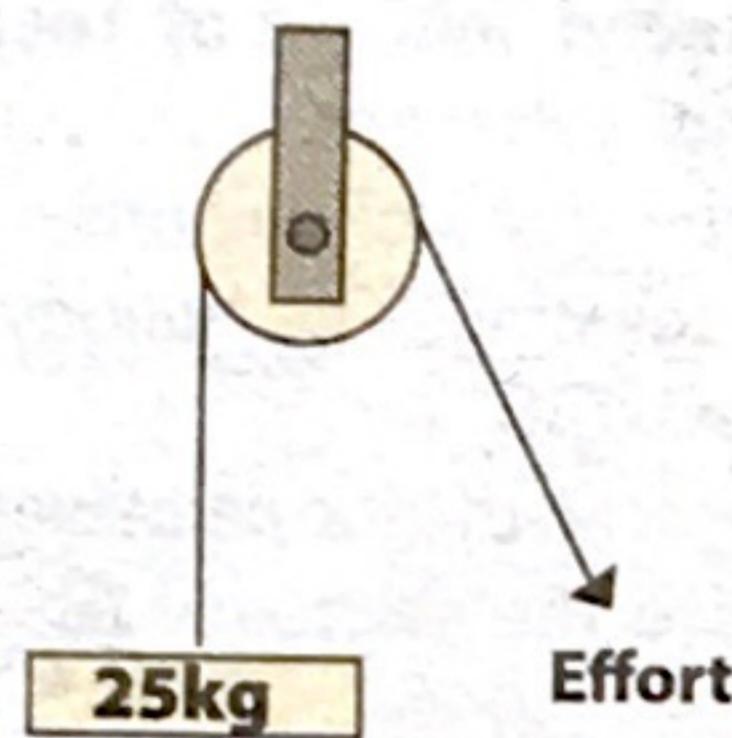
First of all, there are children with one aim; attaining formal education for future success. Such children arrive at school early. They attend all lessons as shown on the timetable. They do all activities given to them by their teachers. Above all, they are disciplined. They are the children who excel in their academic work, scoring the highest marks in exams.

Secondly, the next group of children are nearly the same as the first. They are also active in most of the school activities. They participate during lessons and answer most of the oral questions. However, when it comes to writing, they are never serious. Their written work is full of mistakes; crossing, rubbing of answers, leaving blank spaces and the like.

The last group of children are the worst. They are forced to be at school. They enjoy being away from school. When in class, they enjoy telling and listening to stories about musicians, football, movies and so on. They lose the books, pens, pencils. When exams come, then hardly answer all questions. These children are without discipline. They usually have the lowest marks in exams.

I would like to advise children; aim at being a good child. Work hard at your studies so as to please your parents and teachers.

- Name the cattle disease that makes the udder hard and painful.
- Give any one vector controlled when we wash our clothes.
- What type of germination do most legumes undergo?
- Give one use of trees around our school compound.
- Calculate the mechanical advantage of the machine below.



- Name an example of a seed bearing nonflowering plant apart from cedar.
- Give the importance of webbed feet to a duck during swimming.
- What is obtained by mixing a solvent with a solute?
- Name the organ in man which changes harmful chemicals into harmless ones.
- What condition leads to anaemia in humans?
- What is common about the blood carried by the vena cava and the pulmonary artery?
- How are seeds of mangoes dispersed?



41. The diagram below shows a plant. Study and use it to answer the questions that follow.

- What type of root system does the plant have?
- State the importance of part labelled X to the plant.
- To which group of flowering plants does the above plant belong?
- How does that plant benefit from structures marked Y?

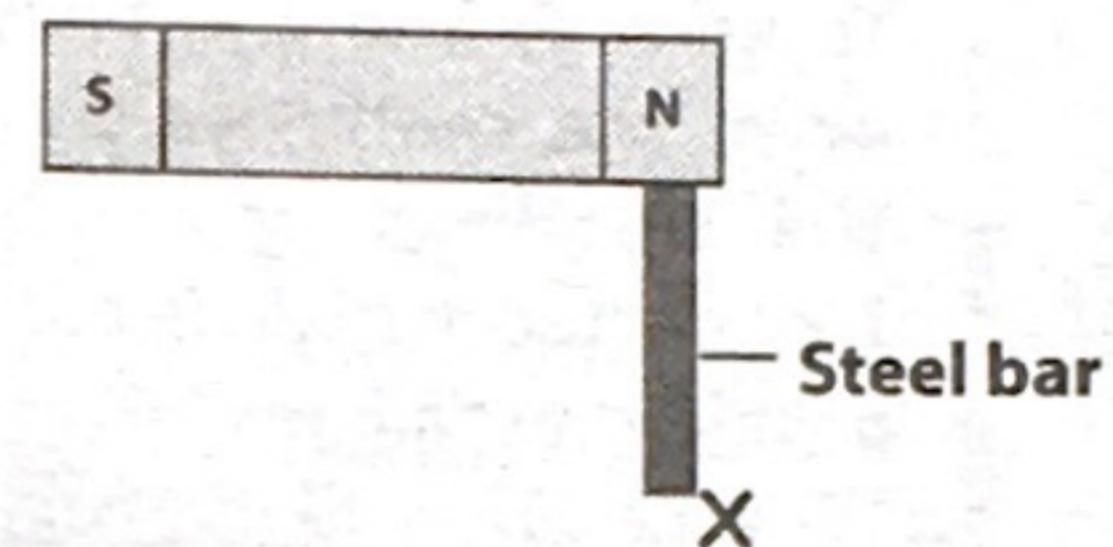


- Name two diseases that are immunised against at birth.
- State one use of a child health chart to a school nurse.
- Name the immunisable disease immunised against using PCV.

- Give one reason why people take alcohol.
- Give two methods used in making alcohol.
- State one body organ affected by excess taking of alcohol.

- What is malnutrition?
- What class of food is best

- How do moss plants differ from yeast?
- What is the function of hydrochloric acid in food digestion?
- State the use of a fuse in an electric circuit.
- How is heat transfer by radiation different from heat transfer by conduction?
- Where in the body of a mammal does the union of gametes to form a zygote take place?
- Why is the washing of fruits important in food hygiene?
- State one effect of accidents to the community.
- How does deforestation lead to soil erosion?
- Give one effect of antisocial behaviour to an individual.
- Why is a vulture an important bird in the environment?
- Apart from lungs, name one other organ of the excretory
- system in the human body.
- Give one condition necessary for photosynthesis.
- State the effect of diseases to a poultry farmer.
- Why is it good for school children to abstain from sex?
- How does washing of hands control faecal diseases?
- Give one condition that causes fainting.
- Give one reason why sugar is used in preparing oral rehydration solution.
- Why is immunisation in Uganda given to children with no cost?
- Why is water not a good material in extinguishing petrol fires?
- State one way of avoiding hookworm infestation.
- Give any one natural source of heat on earth.
- State One primary sex characteristic that takes place in male and female adolescents. Use the diagram below answer questions 35 and 36.



- What method of magnetisation is illustrated above?
- Name pole X after magnetisation?
- Why is a tadpole similar to a fish in terms of breathing?
- How are molar teeth adapted to their function?
- What causes a shadow?
- Name one pest that destroys maize in stores.

### SECTION B

- 42(a) Name two diseases that are immunised against at birth.

- State one use of a child health chart to a school nurse.
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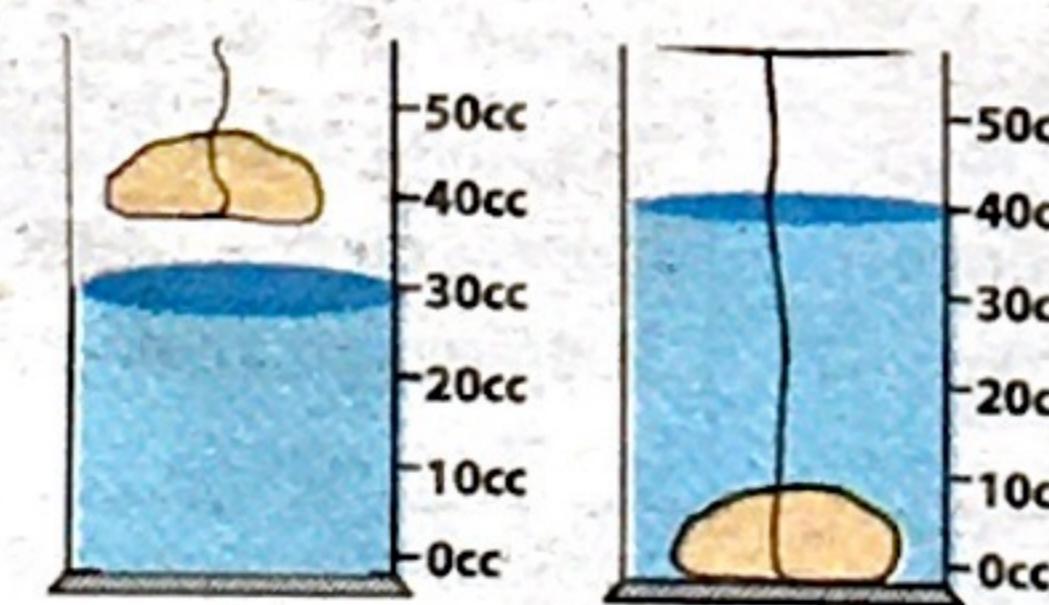
- Give one reason why people take alcohol.
- Give two methods used in making alcohol.

- State one body organ affected by excess taking of alcohol.

- What is malnutrition?
- What class of food is best

- for growth and repair of worn out tissues of the body?
- State two effects of malnutrition to babies.

- 45 The diagram below shows a stone being lowered in a cylinder containing water.



- If the mass of the stone is 90g, calculate its density.
- Why does the stone sink in water?

- What is an alloy?
- What alloy is obtained by mixing copper and tin?
- Name the liquid metal used in the thermometer.
- State one effect of heat on metal.

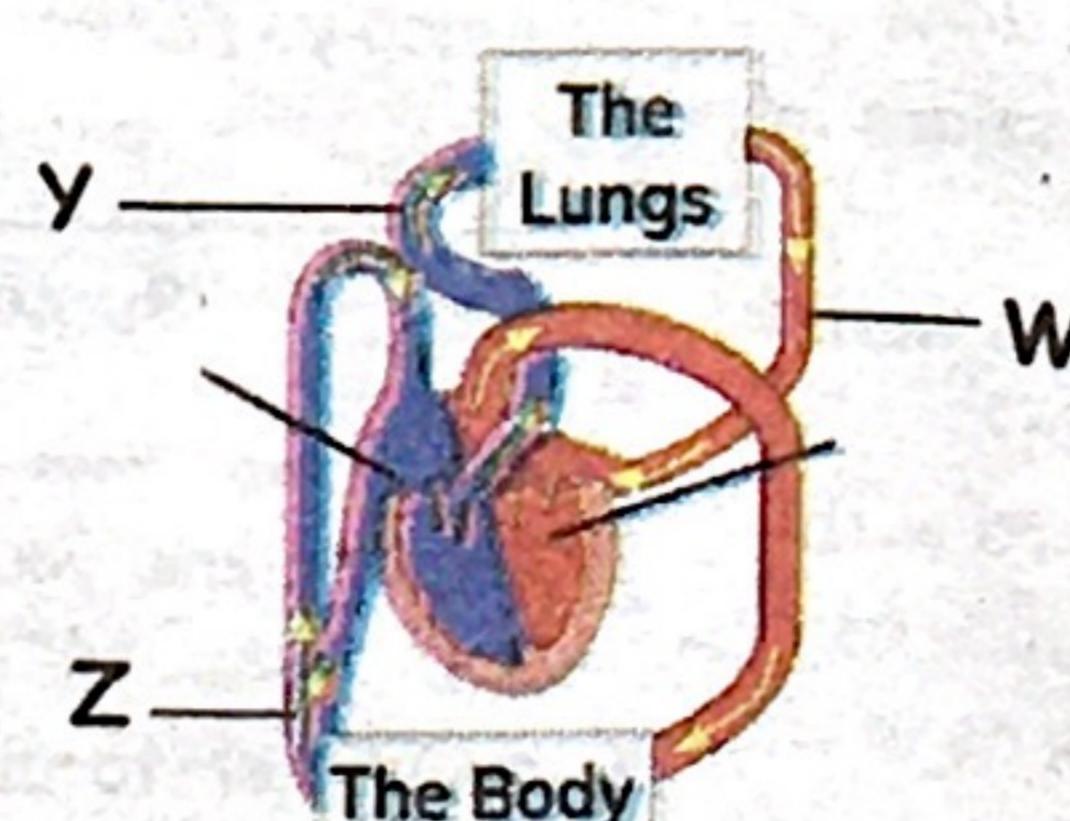
- To which body system does the skin belong?
- Give the function of the sweat gland of the skin.
- Give two ways of keeping the skin in a healthy and good condition.

- Mention two by-products of respiration.

- Give one danger of having too much carbon dioxide in the body.
- Name the plant process that uses the by-products of respiration.

- What is the difference between vertebrates and invertebrates?
- To which group of invertebrates do myriapods belong?
- How does a snail protect itself from enemies?
- What type of skeleton do insects have?

50. The diagram below is of a human heart. Use it to answer the questions that follow.



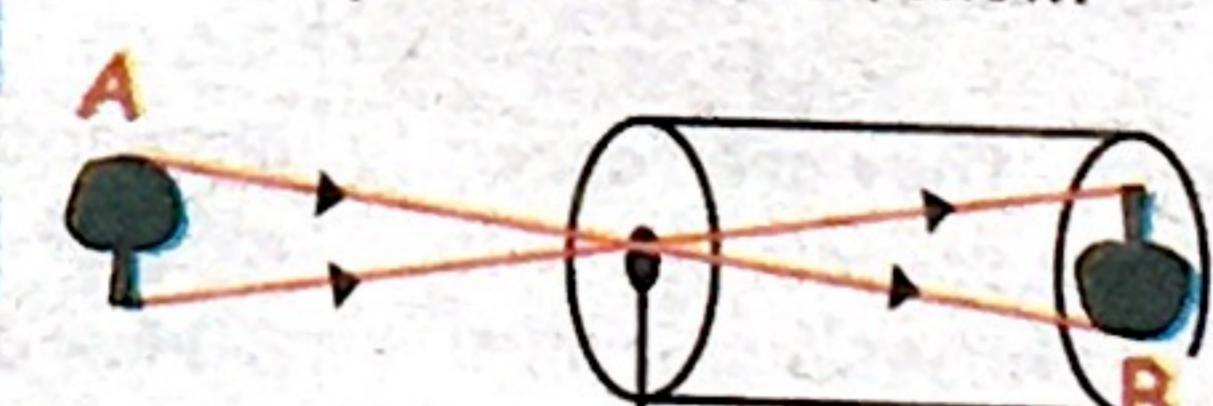
- Name part marked Z.
- What is the function of part marked W?
- Why does blood go to the lungs?
- Which type of blood is transported through blood vessel marked W?

- State two causes of environmental degradation.
- Give two ways of protecting the environment.

52. Complete the table below correctly.

Disease	Cause	Mode of transmission
Cholera	.....	Shaking hands
COVID-19 Virus	.....	.....
.....	Filarial worm	Bites of culex mosquito
Rabies	Virus	.....

53. Use the diagram below to answer questions that follow.



- Name parts marked A and B.
- State two similarities of the image formed by the above instrument and that of the human eye.

- How are the following machines applied in our daily life?
  - Wheelbarrow.
  - Windlass.
  - Knife.
- Give the force that reduces the efficiency of machines.

### ANSWERS TO ISSUE 39

- It shocks people to death/ it causes fire outbreaks in a home/ it soils electrical devices
- To get land for farming/ to get space for settlement/ to get space for road construction/ to get space for industrialisation/ to get poles for building/ to get timbers / to get wood for charcoal burning
- The lungs
- By giving a lot of fluids
- To increase friction between it and the ground
- It is spread through having unprotected sexual intercourse with an infected person
- Modern bee hive
- The molecules of gases are far apart to transfer heat by conduction
- It provides manure for making soil fertile for crop growth/ oxen are used for ploughing where crops are grown
- Docking
- It makes the reproductive organ of ewe accessible for the ram
- They help in blood clotting to prevent excessive bleeding on fresh wounds
- They are all warm blooded/ both breathe through the lungs
- By recovering from a disease
- Caterpillar or larva stage
- They destroy people's crops
- They are so soft and spongy which makes them expand easily to let in air/ it has many air sacs that increase the surface area for diffusion of air
- They carry rat fleas that spread bubonic plague.
- It is used when sharpening tools/ it is used when grinding cereals using a stone/ it is sued when lighting a match stick.
- By churning food by the stomach walls
- By sliding off by the help of the slippery skin/ by piercing the enemy using its dorsal fins
- Oxygen
- Heartwater
- It has no impurities
- It separates the heart into the left side and right side
- It keeps the cetacean warm in water
- It is time consuming/ a lot of space is wasted
- It removes water from fresh food by osmosis
- This is space without matter in it
- Oxygen
- Slugs/ oysters
- 37°C
- In the cortex
- By camouflaging or changing colours according to the colour of the environment.
- The warm air outside the bottle gets condensed by the cold bottle
- Echoes enable them to locate their food/ echoes enable them to find there way or to dodge obstacles.
- It prevents movement of animals and their products from a region of an outbreak to an area of no outbreak
- Energy
- The friction between it and the surface causes wear of the lid.
- The angle of incidence is equal to the angle of reflection.
- i) It is used for preserving semen for artificial insemination/ it is used in electric bulbs to prevent the filament from burning up.
- ii) It is used for preserving bottled drinks and tinned foods/ it is used in fire extinguishers to put out fire.
- It supports burning.
- It destroys people's property/ it spreads respiratory and other airborne diseases in people and animals/ wind blows dust into people's eyes.
- Lateral line
- Caudal fin
- It is used for breathing
- It suffocates due to inability to take in dry oxygen from the atmosphere/ the gill filaments get dry and stick together