



**REGISTER YOUR SCHOOL TO PARTICIPATE IN THE PASS PLE QUIZ IN OCTOBER**  
SEND WHATSAPP:

**ANSWERS FOR THIS ISSUE WILL BE PUBLISHED ON THURSDAY 12TH SEPTEMBER**



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## MATHEMATICS

### SECTION A

1. Divide 24 by 6

2. Write eighty six and four tenths in words.

3. Write 496 in Roman numerals.

4. Describe the shaded region in the venn below



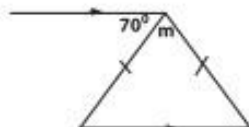
5. Solve  $5^{2y} = 25$

6. Round off 64, 98 to the nearest tenths.

7. Find the number which has been prime factorized.  $(2_1, 2_2, 3_1, 5_1)$

8. 500 was increased by  $x\%$  to 600. Find the value of  $x$

9. Find the value of angle  $m$  in the figure below.



10. The total surface area of a cube is  $150\text{cm}^2$ . Find its volume.

11. During the debate, Each side gave 20 views. If the secretary was awarding 3 points for every defended view and deducting a point for every opposed view. How many views did the proposers defend if their final score was 72 points?

12. Express 345.8 in scientific notation.

13. In a bag, the ratio of pens to books is 3:2. If there are 10 more pens than books. How many books are in the bag?

14. Water in 20 litre can leaks at a rate of half a litre every 40 minutes. How much water will be left in the can after 4 hours?

15. A wheel of radius 28 cm is to cover a distance of 528 metres. How many complete revolutions will it make?

### SECTION B

16. Tap A takes 3 minutes to fill the tank while tap B takes  $y$  minutes to fill the same tank. If both taps fill  $\frac{7}{12}$  of the tank in one minute. Find the value of  $t$

(b) If 280 litres of water is filled by two taps in one minute find the capacity of the whole tank.

17 The sum of three consecutive even numbers is 60. If the largest number is  $y-2$  find the numbers.

18. The area of the two equal circles is  $308\text{cm}^2$ . Calculate the area of the unshaded part in the figure below.



19. Zethu bought 15 cups at sh. 800 each. On her way home,  $x$  cups got broken and sold the rest at sh. 1200 making a profit of 10%. Find the value of  $x$ .

20. solve  $3 + \frac{1}{3}a = 5$

b. A son is a third the fathers age and their total age is 80 years. How old is each of them.

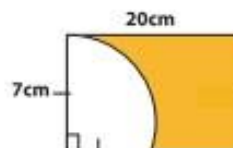
21a. Town is 60km west of B and town C is 80km from B on a bearing of  $120^\circ$ . Using a scale of  $1\text{cm}=10\text{km}$ , find the distance between A and C from the accurate diagram.

22.a). Change 23ten to binary system

b) show  $214_{\text{five}}$  on the abacus below



23. Find the perimeter of the shaded part in the figure below.



## INTEGRATED SCIENCE ANSWERS TO ISSUE 24 (5TH SEPTEMBER 2024)

1. Cow/ birds/ humans/ lion/ fish/ any reptile/ amphibians
2. Glycolysis
3. Calcium/ phosphorus
4. It makes them calm/ it prevents random mating/ it prevents a bad smell in the bull/ it makes them concentrate in the feeding
5. By refrigeration
6. Peas/ ground nuts/ desmodium/ sim sim/ beans/ soya
7. Toad stool is poisonous to people when eaten
8. Agroforestry/ afforestation/ reforestation
9. It refreshes the brain/ it make the body flexible/ it reduces fats in the body
10. Regular reflection
11. Kite
12. They provide food in the chain which is the initial stage of energy transfer in living organisms
13. They are used as mulches/ they are used as animal feeds / some are used for thatching some farm structures
14. Omitted
15. To know the weight of the patient
16. The age of the patient/

- history of the disease/ strength of the disease/ allergic reactions of the body
17. By washing hands after visiting a latrine/ washing hands before eating/ re heating left over foods before eating/ washing fruits before eating
  18. Both involve withdrawal of heat/ both are physical changes
  19. To make them satisfied since breast milk alone is less as per the quantity the y feed on.
  20. By the help of the cilia that trap dust coming in with air/ by the use of mucus
  21. By placing litter on the floor
  22. It enables a bat to locate its food/ it enables the bat to find their way by dodging obstacles
  23. Cannibalism
  24. By keeping foods when dry/ by enclosing food in places with no oxygen but with much carbon dioxide
  25. By using them sparingly/ by walking short distances instead of using vehicles/ by using alternative sources of energy or fuel
  26. By weeding/ by spraying them with pesticides/ by watering

27. It breaks the circuit when too much current passes through
28. To keep the broken bone in position, to hold the broken bones together.
29. The load is found in between the fulcrum and the effort
30. Suction pad like structures called setae

### SECTION B

31. a) i) Caudal fin or tail fin  
ii) Pelvic fin
- b) It has gill used for breathing in water
- c) For fighting enemies or for defense
32. a) It is expensive/ animals are restricted to only one type feeds/ animals do not get enough physical exercise
- b) It enables pasture to get time to grow well/ animals are always rotated in the paddocks
- c) There is enough land used for grazing animals
33. a) i) For dumping in rubbish for some time/ for putting rubbish for some time  
ii) For proper disposal of human wastes in a place
- b) Diarrhoea/ dysentery/ cholera/ typhoid/ worm infection

34.  $60 \times 6 = y \times 4$   
 $360 \div 4 = 4y$   
 $4 \quad 4 \quad Y = 90\text{kgs.}$
35. a) This is the position of the body when doing something, resting or moving.
- b) To prevent deformation of bones/ to prevent body aches
- c) it leads to deformed bones/ it leads to body aches
36. a) i) Pepsin and rennin  
ii) Lipase/ pancreatic amylase/ trypsin
- b) It helps to kill germs that come with food/ it activates pepsin enzyme to work/ it provides acidic condition to enable pepsin and rennin enzymes to work
- c) Proteins
37. a) By boiling/ by chlorination/ by passing it through UV water purifiers
- b) It deprives the water of mineral salts
- c) Poliomyelitis
38. a) i) Pruning saw/ a pruner  
ii) Garden trowel
- b) By pointing the tool/ by keeping the tool in a clean dry places
- c) It weakens the tool/ it makes the tool blunt
39. a) This is any solid substance that dissolves in a liquid

- b) Sugar/ salt
- c) It dissolves most or all solutes
- d) Dehydration
40. a) This is an essential health care where an individual, a family or community come together to solve their own health problems
- b) Water and sanitation/ first aid and curative care/ oral and dental health care/ personal hygiene/ family planning/ maternal and child health care/ control of communicable diseases
- c) Organising immunisation centers/ constructing public toilets/ cleaning water sources
41. a) Weevils/ rats
- b) They destroy stored crops
- c) By trapping/ by poisoning them/ by putting rat guards on granaries
42. a) It is easy to monitor bees/ honey harvested is clean/ honey harvesting does not destroy the hive/ honey harvested is clean.
- b) i) For cutting honey combs  
ii) For sending smoke in the hive to calm the bees
43. i) Left upper thigh ii) At birth
- iii) Polio vaccine iv) In the mouth
44. a) Dry cell b) N
- c) Chemical energy to electrical energy



1. Name the member country of the East African Community that fully lies in the Northern hemisphere.
2. How is port Matadi important to the economic development of Democratic Republic of Congo?
3. State any one factor which makes Lake Kyoga swampy.
4. Which ethnic group in Africa originated from Cameroon highlands?
5. How will rural electrification help to promote urban-rural migration?
6. State any one role of the Clerk to parliament.
7. What role did FRELIMO play in the struggle for the Independence of Mozambique?
8. Give any one by-product got from petroleum.
9. How did Ludwig Krapf simplify the spread of Christianity in East Africa?
10. Apart from improving on food security in member countries, give other objective of IGAD.
11. Why is the weather instrument shown below kept in the Stevenson Screen?



12. In which way do forests influence the climate of an area?
13. State one reason why some local leaders in Uganda were unhappy with missionary work.



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## SECTION A

14. How does good transport net work promote industrialisation?
15. What term is used to refer to the scientific study of the remains of early man?
16. Which political factor led the British to construct the Uganda railway?
17. State the factor that makes Canal irrigation method possible on Gezira irrigation Scheme.
18. Why is the government of Uganda promoting skilling programmes among the youth?
19. How does a crop farmer benefit from a livestock farm?
20. Name any one physical feature which forms a natural boundary between Uganda and Democratic Republic of Congo.
21. Why did H.M. Stanley name Mt Rwenzori "Mountains of the moon"?
22. How is the tool shown below important to fishing industries?



## SOCIAL STUDIES

23. State the reason that led to migration of people from shores of Lake Victoria in the early 20th century.
  24. Name the person who signed the 1955 Namirembe agreement on behalf of Buganda Kingdom.
  25. Give a reason why radios are commonly used by people?
- FOR QUESTIONS 26 TO 30 ANSWER EITHER CHRISTIANITY OR ISLAM BUT NOT BOTH IN A NUMBER**
26. Either: Why is repentance important in Christian faith?  
Or: Why is repentance important in Islamic faith?
  27. Either: State any one reason why Christians sing hymns?  
Or: State any one reason why Moslems recite the Holy Quran.
  28. Either: Which sacrament did Jesus introduce on Holy Thursday?  
Or: Which pillar of Islam encourages Moslems to help others?
  29. Either: How did God show love to Noah and his family?  
Or: How did Allah show love to Nuuh and his family?
  30. Either: Name the final place of rest for believers in Christianity.  
Or: Name the final place of rest for believers in Islam.

## SECTION B

- (a) Which feature is formed at the mouth of River Nile.
  - (b) State any two ways in which River Nile is important to people who live along it.
    - i)
    - ii)
  - (c). How does River Nile promote the economic development of Kenya?
- (a) Why is tourism called an industry?
  - (b) State any two ways tourism can be improved in East Africa.
    - i)
    - ii)
  - (c) What is the main tourist attraction at Lake Nakuru in Kenya?
- (a) Why is Witwaters Rand economically important to South Africa?
  - (b) State any two factors that have promoted the development of the mining sector in South Africa.
    - i)
    - ii)
  - (c) How is mining dangerous to the environment?
- (a) Why was the Maji Maji rebellion named so?
  - (b) Who was the leader of Maji Maji rebellion?
  - (c) State any two causes of Maji Maji rebellion.
    - i)
    - ii)

Study the sketch map below and answer question 35



35 How is mountain marked with letter **A** different from mountain **B** in terms of their formation?

(b) Apart from the mountain marked **B**, which other mountain in Africa was formed by the same process?

(c) What type of rainfall is received in mountainous areas?

(d) Name the water body where river marked **P** drains its water.

36(a) Name any one regional economic grouping to which Uganda is a member.

(b) State two ways Uganda benefits from regional economic groupings

(c) Mention any one challenge facing economic groupings.

37 (a) Give any two methods used by colonialists to get colonies in Africa.

(b) Why did the colonialists encourage Africans to grow

cash crops?

38 (a) What is transport?

(b) Which group of foreigners developed transport in East Africa?

(c) State any two factors one should consider before choosing the type of transport to use.

(d) Name the water body where river marked **P** drains its water.

FOR NUMBERS 39 TO 40 ANSWER EITHER CHRISTIANITY OR ISLAM QUESTIONS BUT NOT BOTH NUMBER.

39. Either: (a) Name the mountain where God appeared to Moses at a burning bush.

(b) State the greatest commandment of God as it was summarised by Jesus Christ.

(c) Give two ways in which commandments are important to Christians.

(d) Or (a) State the greatest pillar of Islam.

(b) Which pillar of Iman has a connection to the pillar of Ibodah?

(c) Mention any two ways in which pillars are important to Moslems.

(d) Or: (a) Why did Prophet Mohammad flee from Mecca to Medina?

40. Either: (a) Give two things Jesus did to show that He had come to save man from Sin.

(b) Mention any two temptations Jesus went through while in the wilderness.

(c) Or: (a) Why did Prophet Mohammad flee from Mecca to Medina?

(b) What do the following terms mean?

Hegira -

Miraj -

c) State any one ritual Moslems fulfil during hijja.

## ENGLISH ANSWERS TO ISSUE 24 (5TH SEPTEMBER 2024)

1. a
2. won't
3. How
4. calves
5. carpenter
6. more fluently
7. excited
8. pronunciation
9. thrice
10. friendlier
11. kneaded
12. theirs
13. directories
14. herself
15. rung
16. cheap, costly, dear, expensive
17. cartoon, coaster, column, crossword
18. cubic centimetres
19. Reverend
20. undisciplined
21. end
22. replies
23. candidates' names
- 24 and 25 consider usage of the words
26. carefully
27. swimming

28. I feel happy whenever I am awarded.

29. Writing a formal letter is easy, isn't it?

30. What a long holiday it was!

31. We often go swimming in the afternoon.

32. Adaru kneaded the clay because he wanted to make bricks.

33. Charity and Charlene are both obedient girls.

34. A dress of Christine's has got torn.

35. Louise was a very honest pupil.

36. We look forward to sitting our end of term examinations.

37. It is not far from Nairobi to Hong Kong.

38. Karen said that she would buy some headlamps for her car the next day, wouldn't she?

39. The baby has just gone to sleep.

40. A glass of juice has been drunk by Apio.

51A.a. Tuvuge Garage is advertising.

b. I think the management of Tuvuge Garage wrote the advertisement.

c. The date when the advertisement was written is not given in the advertisement.

d. The place where the garage is found is not mentioned in the advertisement.

e. customer-clients

51B.a. The table above shows the items that the Primary Three at Muto Junior School made in their project work.

b. The class teacher of primary three gave the project work to pupils.

c. Five pupils are shown on the table.

d. Mungiro Isaac and Santa Annet used banana fibres to do project work.

e. Aninabo used plastic bottles to make a toy car.

52.a. The writer of this passage is from Little Angel Junior School.

b. Prefects are got through elections in this school.

c. Elections were last held at school in 2023.

d. The lists of contestants were pinned on notice boards.

e. Dan Jingo applied for the position of

Music Dance and Drama prefect.

f. The fact that Dan Jingo was elected MDD prefect shows that he was happy with his supporters.

g. Twenty pupils contested for MDD

h. Mr Kazungu Simon could have pinned the shortlists on the boards.

53.a. The poem is about holidays

b. Holidays give time to relax and refresh to the writer.

c. I think a school pupil is speaking in the poem.

d. There are three stanzas in the poem.

e. Apart from pupils, teachers and civil servants need holidays.

f. Civil servants bond with their families.

g. Teachers rest from marking books during holidays.

h. Children feel loved when parents bond with them.

i. I think children need school holidays in order to relax and refresh their minds.

j. HOLIDAYS/SCHOOL HOLIDAYS