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MATHEMATICS

10 The LCM of A and B is 48, their GCF is 8. Find the value of A if B is 24.

11 Show that 1011 is divisible by 3.

SECTION A

1. Add $5.8 + 5.2$

2. Solve $3 - 4x > 15$.

3. Christian can slash the compound in 3 days while zethu can slash the same compound in 6 days. How long will both pupils take to do the same piece of work if they work together?

4. How many triangles can be formed from a polygon whose each interior

angle is 140° .

5. Find the multiplicative inverse of 0.75

6. Josephat's stride is 25cm, how many strides will he make cover a distance of 40 metres?

7. Solve $3^x \times 3^2 = 27$

8. Change 6.7 tonnes to kilograms.

9. In the space below, draw a diagram to that all Kites(K) are Birds(B)

12. Increase 4000 by 20% then by 10%.

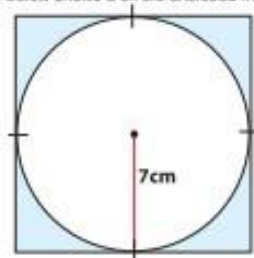
13. Round off 784.79 to the nearest tenths.

14. Express 144km/h as m/sec.

15. Expand 6749.36 using exponents.

SECTION B

16. The figure below shows a circle enclosed in a square.



a) Calculate the area of a square

b) Find the area of the shaded part

17. Mr. Igoma had a certain number of eggs. When he shared them among 7 boys, only two eggs remained but when he shared them among 9 girls, 3 eggs remained. Find the least number of eggs Mr. Igoma had

c) Solve $m^2 = 121$ _{five}

20. The table below shows the marks scored by 10 students of kyanja primary school

Marks	50	80	60	70
No of pupils	2	4	x	1

a) Find the value of x

b) How many pupils scored above the average mark?

18. Abel bought a sack of 40kg of flour at sh.3000 per kg. He packed them in small packets of each 50gm. He sold each packet at sh.200. calculate his percentage profit

22. The area of a square garden is 16 hectares.
a) Express this area in square Kilometres.

b) Calculate the total distance around the garden in Km

23. Using a sharp pencil, a ruler and a pair of compasses only, construct a quadrilateral ABCD where AB is parallel to CD, Line AB = 7cm angle A = angle B = 60° . Line AD = BD = 3.4cm

19.a) Work out $3 \div 4 = \text{_____} \pmod{5}$

21. Mutony wrote three digit numbers using digits 0,5,3.
a) Write all the numbers Mutony wrote.

b) Find the range of the numbers she wrote.

INTEGRATED SCIENCE ANSWERS TO ISSUE 4 HOLIDAY COMPANION (23RD MAY 2024)

1. Iron
2. Electrical energy to mechanical energy
3. To expose the stigma to the pollinators
4. Wind/ speed of wind
5. They lead to anaemia
6. To keep the poultry kept indoors busy which makes them to do physical exercises
7. By vibration of the surface when struck or beaten or hit
8. It has a large surface area for low vibrations to occur
9. It feeds saprophytically
10. Its abdomen gets destroyed when the reproductive organ detaches after mating
11. It provides energy that helps to split water into hydrogen and oxygen molecules
12. Heat transfer by radiation does not requires any molecules or medium of transfer of heat
13. It leads to miscarriages/ it leads to still birth/ it leads to underweight birth
14. By dipping it in iodine solution/

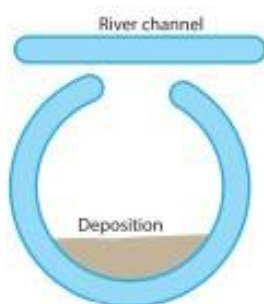
- by wiping it with methylated spirit
15. It blocks the fallopian tubes which makes it difficult for the foetus to move to the uterus for implantation
16. Coccidiosis
17. Clean kitchen/ plate stand or rack
18. 3 dry cells
19. The liver
20. It makes it expand
21. To reduce the rate of transpiration
22. By developing thorns which help to cover the stomata
23. To prevent egg eating
24. It kills bacteria and fungi in the milk that would cause rotting
25. Fossil fuels
26. To get enough time to prepare the main garden as seedlings grow/ to protect the seedlings against harsh weather/ to enable the farmer to take care of the delicate seedlings well
27. South pole
28. The flow of current
29. It helps to make bones and

- teeth strong
 30. By feeding them on a balanced diet/ by taking them for medical care/ by counselling them to give hope/ by washing for them
- SECTION B**
31. a) The surface area available for evaporation to take place/ wind/ temperature
 - b) It is expensive to get/ it is rare
 - c) it is used for making ironing surfaces/ they are used for transporting electricity
 32. a) natural fibre
 - b) Wool/ mohair/ sisal/ raffia/ jute/ cotton wool
 - c) For making ropes/ for making craft materials eg bags and hats/ for making fishing nets/ for making clothes or peoples wears/ for making balls
 33. a) To ease mating
 - b) It provides wool used as a raw material for textile
 - c) By maintaining proper hygiene in the sheep's shed/ by vaccinating the sheep/ by providing sheep

- with clean feeds and water
34. a) Stomata
- b) i) It helps in rain formation
- ii) It enables the plant to cool itself/ it enables the plant to absorb more water from the soil
- c) It can make the plant to dry up especially during a dry season
35. a) i) It protects the eyes of the bird against strong wind while flying
- ii) It keeps the cetaceans warm in water
- b) Cetaceans
- c) Dolphins/ whales/ porpoises/ seals/ Dandang
36. a) Protozoa destroy red blood cells
- b) Fever/ loss of appetite/ general body pains/ general body weakness
- c) By ensuring the baby sleeps in a treated mosquito net
37. a) Stipe or stalk
- b) The help in absorbing food from decayed matter
- c) Yeast/ bracket fungi/ moulds/ toadstools
- d) It causes diseases to people/ it

- makes peoples food to rot
38. a) It transports oxygen in the body/ blood platelets help in clotting blood in fresh wounds/ it transports digested food in the body/ it transports hormones in the body/ it transports heat in the body/ it transports waste products from all body cells to the excretory organs
- b) By engulfing germs/ by producing antibodies to fight germs
- c) Haemophilia
39. a) Whistle/ flute/ trumpet/ horn/ bottles
- b) By vibration of air when blown
- c) By recording
40. a) i) Right ventricle
- ii) Semi lunar valve
- b) Circulatory system
- c) It prevents the backflow of blood to the ventricles
- d) Malaria/ coronary heart thrombosis/ sickle cell anaemia / anaemia/ HIV/AIDS/ Haemophilia

1. Which map element helps to show directions?
2. How do harmattan winds affect climate in West Africa?
3. In which units are lines of longitude and latitude measured?
4. What is a refinery?
5. Why is the type of lake shown below very common at the old stage of a river?



6. What term is used to mean the constant variation of weather patterns in an area for a long time?
7. Which factor favours the growth of mangrove forests at the coast of East Africa?
8. Why are game rangers employed in game parks?
9. Why are flowers transported by air transport from Uganda to United Kingdom?
10. How do coral reefs promote economic developments in a country?
11. Why do different animals live in different vegetation zones?
12. Which factor influences the climate of central Africa?
13. Why do rivers in Equatorial climatic regions carry large volume of water into oceans and seas?



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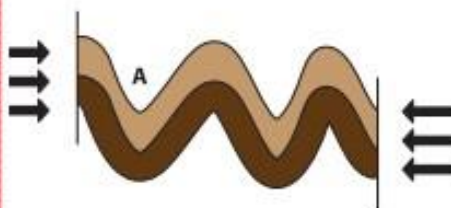


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SOCIAL STUDIES

SECTION A

14. Which mountain in South Africa was formed as shown below?



15. Why is Africa referred to as a tropical continent?
16. How do major rivers of Africa promote industrialisation?
17. Apart from river Volta in Ghana, mention any other river in Africa which ends in an estuary.
18. What is land degradation?
19. Why is Miombo woodland in central Tanzania having a sparse population?
20. How do deciduous trees withstand the hottest season?
21. What name is given to natural features in deserts with water and a few planted crops around?
22. State any one economic duty of a citizen of Uganda.

23. How do the velds promote economic developments in South Africa?

24. Why does the wind ward side of a mountain have thick vegetation?

25. Why are lowlands hotter than highlands?

FOR NUMBERS 26 TO 30, ANSWER EITHER CHRISTIANITY OR ISLAM QUESTIONS BUT NOT BOTH IN A NUMBER

26. EITHER: Why is marriage called a social institution?

OR. Why is marriage called a social institution?

27. EITHER: Give any one importance of faith in marriage.

OR. Give any one importance of faith in marriage.

28. EITHER: Who is the true source of happiness in the world?

OR. Who is the true source of happiness according to hadiths?

29. EITHER: Mention the last book in the holy Bible.

OR. Mention the last surah in the holy Quran.

30. EITHER: What should a true Christian do to inherit eternal life?

OR. What should a true Moslem do to inherit eternal life?

SECTION B

- 31) Complete the table below correctly

River	H.E.P dam	Country
R. Volta	i) _____	Ghana
ii) _____	Kainji dam	Nigeria
R. Zambezi	Cabora bassa dam	iii) _____
R. Nile	iv) _____	Egypt

- 32a) What is vegetation distribution?

- b) State two factors that influence vegetation distribution.

i) _____

ii) _____

- c) How has increased industrialisation in Uganda affected wetlands?

- 33a) What is climate?

- b) Which climatic region in Africa receives rainfall in summer season?

- c) Which human activity is shown in the picture below?



Inner bark

Latex

Rubber tree

Container

- d) How does the above human activity support the ministry of Education and Sports in Uganda?

34.a) Why did the British colonialists sign the 1900 Buganda Agreement?

b) Write down one of the terms in the 1900 Buganda Agreement.

c) How did the 1900 Buganda Agreement affect the following:

i) the powers of Kabaka

ii) Baganda who owned huts

35.a) Which group people started the idea of iron smelting in Uganda?

b) Why did the people named in "a" above dig ditches around their palaces?

c) State two ways the Chewzi contributed to the social lives of people in Uganda.

i)

ii)

36.a) State any two causes of deserts.

i)

ii)

b) Why are deserts very hot during day time?

c) Which type of desert is Namib desert?

d) Why is lake Chad in Sahara desert losing its volume of water?

37.a) State two reasons why Savanna grasslands has a large population of people.

i)

ii)

b) Why is tourism the major source of income in Savanna grasslands?

c) How do foreign tourists sometimes become a threat to host governments?

38) Study the map below and use it to answer questions that follow



a) Name the rivers marked with letters K and Z

K:

Z:

b) How is feature marked with letters XXX economically important to Nigeria?

c) Mention the river in Kenya which forms feature XXX towards its mouth.

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

39. EITHER: a) How is baptism important to Christians?

b) Write down any two symbols used during baptism.

i)

ii)

c) State any one form of baptism.

OR: a) How is circumcision important among male Muslims?

b) Write down any two symbols of Islam.

i)

ii)

c) State any one material recommended according to hadiths Muslims use when getting wudhu.

40a) EITHER: Which foreign religion was introduced by early missionaries in Uganda?

b) Give two challenges missionaries faced when introducing the above foreign religion.

i)

ii)

c) Why did early missionaries in Uganda build churches on hills?

OR: a) Which foreign religion was introduced by the Arabs in Uganda?

b) State two challenges early Arabs faced when introducing the above foreign religion in Uganda.

i)

ii)

c) Why are boreholes and water taps set up close to mosques?

ENGLISH ANSWERS FOR ISSUE 4 (23RD MAY 2024)

1. by
2. load
3. hardly
4. more
5. Bird
6. applicant
7. broadcast
8. shy
9. affectionate
10. German
11. rung
12. woven
13. trying
14. tidbits
15. shall have done
16. & 17. Consider the right usage.
18. illegible
19. helmet
20. prospers
21. ladies' dresses
22. barracks
23. irresponsible
24. save
25. Feather, leather, leisure, tether
26. Crack, creative, cruel, cry
27. Mon.
28. Prof.
29. We shall sit for final examination in March.
30. Is anyone aiming to help you?
31. Sarah spilled /spilt the milk herself

32. He knocked a tree due to his reckless driving
33. However had Suzan worked, she was not rewarded.
34. The car was too expensive for one to afford to buy
35. He brought clever young brown pupils.
36. Mukasa, as well as Musoke writes well.
37. This is the headmaster to whom you will address your letter.
38. We shall not take long to complete the exercise
39. The voters needn't have closed the road.
40. What a nice dress Mrs. Mutumbe has chosen.
41.
 - a. The minister of Health has built health centers in our communities.
 - b. They provide the health services to patients and pregnant women
 - c. Doctors and Nurses provide health services to the patients.
 - d. People shouldn't eat foods that have harmful substances.
 - e. We can control Malaria in our communities by slashing the bushes around our homesteads.
 - f. A pregnant mother can get help from a health center.

- g. People can avoid diseases by spreading vectors
- h. (i) Provide -give/ believe
- (ii) Patients- sick persons
42.
 - i) It is important to revise for your examination.
 - g) First you should decide which subject you have to revise each day.
 - d) Then you must make a timetable for yourself.
 - j) In order to get good marks in all subjects, you have to follow that timetable.
 - b) You should also study hard with a friend.
 - f) Especially that one who performs better than you in a particular subject.
 - a) You should ask each other questions.
 - e) After which you can discuss any problem you can come across.
 - h) When you think about them rather than reading them.
 - c) Finally, it is easier to remember things.

1	2	3	4	5	6	7	8	9	10
i	g	d	j	b	f	a	e	h	c

43. a. The writer is talking to a proud child.
- b. Being superior makes the child proud.
- c. The children grew up from a different region
- d. The child laughs at his classmates.
- e. The writer and his friends came together for education.
- f. According to the poem, cultures are unique and important.
- g. A school child wrote the poem.
- h. (i) Superior awesome/ excellent/ great
- (ii) Cooperation- collaboration/ alliance
44. a. The graph shows the Kojja Primary School P.7 candidates English PLE results in 2023.
- b. The candidates sat their examinations in 2023.
- c. They sat for Primary Leaving Examinations in 2023.
- d. Henry scored the highest mark.
- e. The average mark for John and Jane was Fifty five.
- f. I think Mary got the least mark because she did not revise.
- g. These candidates were in Kojja Primary School
- h. Six candidates are presented in the graph.
- i. Primary Leaving Examinations
- j. Two female candidates sat the exam.