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MATHEMATICS

13. Given that $x = \frac{1}{2}$ and $y = \frac{1}{4}$.
Evaluate $x + y$

SECTION A

1. Work out: $1616 \div 4$

2. Write 950 in Roman numerals.

3. Express 12:30am in 12-hour clock system.

4. Work out: $(15) \times (-2)$

5. How many cm³ are in 0.75litres?

6. Prime factorise 30.

7. Using a ruler, a pencil and a pair of compasses only bisect the angle Below:



8. In the figure below, shade 25% of it.



9. Given that a third dozen pens cost sh.2400, find the cost of 7 similar pens.

10. Convert 13 to base two.

11. If today is Monday, what day of the week will it be 67 days from now?

12. After spending sh 175,000 of his salary, Mpadha had sh. 27,000 left. How much money does Mpadha earn as salary?

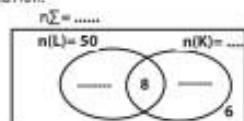
14. Simplify: $4^3 + 2^0$

15. Odeke paid an interest of sh.2000 after borrowing a certain amount of money at 5%pa interest for four months. How much money did he borrow?

SECTION B

16. In a candidate class at ABC Academy, 50 pupils speak Luganda(L), 32 speak Kinyarwanda(K) only while 6 speak neither of the two languages.

(a) Complete the Venn diagram below using the above information.



(b) Find the total number of pupils in P7.

(c) If a pupil is picked at random, what is the chance that he speaks Kinyarwanda?

17. Amos divided his land as follows: 50% was given to the elder son, 75% of the remainder was given to the younger daughter and the rest was given to the mother. If the mother got 24 hectares of land, how big was that land?

18. a) Find the value of k



(b) Two complementary angles are $5y$ and $4y$. Find the size of each angle.

19. Trees were planted in a straight line 7m apart along distance of 8.4km. How many trees were planted?

20. Mukooza purchased the following items:

- 2kg of fish at sh. 20,000 per kg
- 750g of salt at sh. 2,000 per kg
- 5 bars of soap at sh. 36,000.
- 2 bags of posho at sh. 48,000.

a) Calculate her total expenditure.

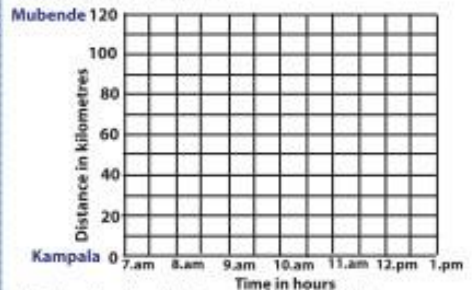
(b) If she was given sh. 17,000 as balance, how much money did she have at first?

21. Using a ruler, a pencil and a pair of compasses only, construct a rectangle of ABCD of length 7cm and width 3cm

(b) Measure the diagonal AC.

22. A mother shared eggs among her girls Jane, Robina and Georgina in the ratio of 1:2:3 respectively. If Georgina got 18 more eggs than Jane, how many eggs were given out altogether?

23. Mr. Magala left Kampala at 7:00 am and covered 50km in 1 hour to Mityana. He rested for $\frac{1}{2}$ an hour and covered the next 40km in $\frac{1}{2}$ an hour to Myanzi. He took a break of 30 minutes before resuming his journey to Mubende where he arrived at 10:00 am. He left Mubende at 11:00 a.m. and drove back to Kampala at a speed of 60 km per hour.



(a) Show Mr. Magala's journey on the graph above.

(b) Indicate Mityana and Myanzi on the graph.

(c) How far is Myanzi from Mubende?

(d) Calculate Mr. Magala's average speed for the whole journey.

ENGLISH ANSWERS TO ISSUE 21 (8TH AUGUST 2024)

1. between
2. an
3. whom
4. lest/or else
5. when
6. mechanical
7. imprisonment
8. mice
9. ancestral
10. guidance
11. apologise
12. German
13. erosion
14. forgotten
15. withdrawal
16. ancestors, ancestral, burial, funeral
17. poachers, poaching, welfare, wildlife
18. and 19. consider usage
20. insecure
21. withdrew
22. Professor
23. that is
24. poachers
25. supervisor
26. carelessly
27. radii
28. hyenas
29. The headmaster will reward the best speaker the debate.
30. Does she speak English fluently?
31. This is the village from where my mum was born.
32. By the time the announcements were read, we had gone to bed.

33. After applying for the job, she was called for interviews. After she had applied for the job, she was called for interviews.
34. Unless Magara stops disobeying teachers, she will be expelled from school.
35. He is hardworking, but many people don't trust him.
36. Is this Katumwa's new story book?
37. The head of promised that he would speak to the candidates the following day.
38. The harder you work, the better marks you score.
39. Parents ought to speak to their children about their rights and responsibilities.
40. None of us has been to a carpentry workshop.
41. 1. One can read the notice in the New Vision newspaper of 10th July 2024.
2. The deceased is Nalwadda Branny.
3. The notice was written by the deceased's daughter, Joan Magezi.
4. The deceased was buried at Kalambi.
5. The family of the deceased was thankful

- to Dr. Dick Kimba for treating the deceased.
6. Hon. Sam Kakizi transported the body of the deceased for burial.
7. The deceased was thirty eight years when she passed on.
8. The appreciation was written on 10th July 2024.
9. i) Reverend ii) September

1	2	3	4	5	6	7	8	9	10
3	4	6	2	1	8	9	10	7	5

42. 1. The passage is about Carpentry.
2. Primary six class learnt about Carpentry.
3. The pupils were excited because they were going to have their first educational tour.
4. The pupils visited Kyani Saw Mill and Mukozi Carpentry Workshop during their tour.
5. Mr. Kyazze is the manager of Mukozi Carpentry Workshop according to the passage.

6. I think a drill is used for making holes in furniture.
7. The pupils wore gumboots while on this tour to protect their feet against sharp objects.
8. The pupils were cautioned against touching machines at the saw mill so as not to get injured.
9. rough
10. CARPENTRY
- PRIMARY SIX CLASS VISITS CARPENTRY WORKSHOP
44. 1. Good morning, Mr. Magezi.
2. I have just run away from home.
3. My dad wants to punish me.
4. My brother tore my homework book.
5. I couldn't report him because my dad wouldn't listen to me.
6. He says that I am a bad child who is never apologetic.
7. What should I do then?
8. What should I do first?
- Do you think they will forgive me?

1. Mention any one way of promoting vegetation growth in an area.
2. Why is it good to participate in general elections as a citizen?
3. Name the largest National park in East Africa.
4. Which department of the police controls traffic flow on Uganda's roads?
5. Give a reason why Nigeria transferred its capital city from Lagos to Abuja.



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SOCIAL STUDIES

SECTION A

6. What name was given to separate homes of blacks in South Africa during the apartheid policy?
7. Give a reason why developed areas such as towns attract many people for settlement.
8. In which one way has African Union (AU) promoted the Economic Development of African countries?
9. State any one way in which a high population promote the development of industries in Africa.
10. Which Ministry in Uganda is responsible for helping people affected by floods?
11. What is transhumance?
12. Name any one department of East African Community that survived after the collapse of East African Community in 1977.
13. How do waterfalls promote industrial development in Uganda?
14. State any one reason why Missionaries established mission stations in East Africa.

15. What was the role played by Nelson Mandela towards the end of Apartheid Policy in South Africa?
16. How was mount Uluguru formed?
17. Why does African Union send peace keeping forces to countries affected by civil wars?
18. If it is 3:00pm at Greenwich Meridian, what will the time be in Kampala which is 45° East?
19. Write UNICEF in full.
20. Why is the Uganda National Anthem sung by school children during school functions?
21. State any one way the Uganda National Bureau of Standards (UNBS) helps to improve on the quality of goods in Uganda?
22. How can a landlocked country promote international trade?
23. What evidence is there to show that Uganda's plateau

is tilted to the north?

24. Apart from volcanoes, name other physical features that were formed by volcanicity.

25. In which way did the 1894 treaty affect Uganda?

For each of the questions 26 to 30, answer EITHER the Christianity OR the Islamic questions but NOT BOTH alternatives.

26. Either: Why did God create man in His image?

Or: Why did Allah create man in His image?

27. Either: Name the first Christian martyr in the Bible

Or: Name the first Muslim martyr according to Islamic faith

28. Either: State any one way in which Christians emulate the light of Peace of Jesus today

Or: State any one way in which some teachings of Prophet Muhammad (PBUH) can be practical in the life journey of a Muslim.

29. Either: What inspired the gospel writers to write the gospel books?

Or: Name the prophet in Islam that received divine Injil?

30. FOR BOTH: Which body unites all religious faith in Uganda?

SECTION B

31. Study the climatic table below carefully and answer the questions that follow it.

Months	J	F	M	A	M	J	J	A	S	O	N	D
Temp.(°C)	20	21	36	26	20	29	24	26	26	29	30	24
Rainfall (mm)	50	90	225	175	120	85	45	120	200	75

- a) Name the wettest month of the year in the table above.
- b) Describe the type of climate shown in the table above.
- c) Calculate the temperature range of the above area.

d) Mention any one crop that can be grown in areas that experience the above type of climate.

32. a) State any two roles of Electoral Commission in Uganda.

- i)
- ii)
- b) Why are general elections carried out every after five years in Uganda?

c) Mention any one election malpractice done by people during electoral process.

33. a) Write down any two ways in which the rights of Africans were violated during the apartheid policy in South Africa.

- i)
- ii)
- b) What role did African National Congress (ANC) play towards the end of Apartheid policy in South Africa?

c) Mention any one African country that provided military support and training to freedom fighters in South Africa during Apartheid Policy.

34. a) Give any one role of the judiciary organ of a democratic government.

b) Mention the highest judicial court in Uganda.

c) In which two ways does the Police assist Judiciary to play its role in Uganda?

i) _____

35. a) Name the country in East Africa that is not a member Intergovernmental Authority on Development (IGAD)

b) Give any two reasons why IGAD was formed.

i) _____

ii) _____

c) In which one way has IGAD helped to promote peace in the region?

36. a) What are Non-traditional cash crops?

37. Study the sketch map below and answer questions that follow.



b) Give any two reasons why the government of Uganda encourages farmers to grow more non-traditional cash crops.

i) _____

ii) _____

c) In which one way do agro based industries promote Agricultural production in Uganda?

a) Name the physical feature marked with letter P.

b) Which term is used to describe the journey made by the Boers shown by the routes on the map above?

c) Name any two states that were formed as a result of the journey made in "b" above.

38. a) Which school document is similar to the national constitution?

b) Give any two reasons why a country like Uganda should have a national constitution.

i) _____

ii) _____

c) How does a national constitution promote democracy in a country?

FOR QUESTIONS 39 TO 40 ANSWER EITHER CHRISTIANITY OR ISLAM ONLY BUT NOT BOTH IN A NUMBER

39. a) EITHER: State any one way in which people have failed to live up to God's standards.

b) Write any two ways in which Adam's and Eve's disobedience caused misery and suffering to mankind.

i) _____

ii) _____

c) How did God bridge the gap between Him and Man according to the Bible?

OR: a) State any one way in which people have failed to live up to Allah's standards.

b) Write any two ways in which Adam's and Hawa's disobedience caused misery and suffering to mankind.

i) _____

ii) _____

c) How did Allah punish Adam for disobedience according to the Qur'an?

40. EITHER: a) Give any two reasons why the Jews disliked Jesus Christ.

i) _____

ii) _____

b) Write down any two ways Jesus Christ was tortured before His death on the cross.

i) _____

ii) _____

OR: a) Give any one reason why the people of Mecca disliked Prophet Muhammad.

b) Which group of people in Mecca that disliked Prophet Muhammad?

c) Write down any two ways Prophet Muhammad suffered during Hegira.

i) _____

ii) _____

INTEGRATED SCIENCE ANSWERS TO ISSUE 21 (8TH AUGUST 2024)

1. Farm yard manure (FYM)

2. Birds of prey have sharp hooked beaks for tearing / They also have a good eyesight for spotting their prey from a distance/ They also have sharp curved claws for gripping and killing their prey

3. It encourages good feeding which prevents deficiency diseases

4. Calcium/ phosphorus

5. Boiling water for drinking

6. Hydroelectricity/ tidal electricity/ geothermal electricity

7. Iron keepers

8. They absorb and maintain the magnetism

9. Tetanus / HIV/ AIDS

10. A lactometer sinks in milk containing water

11. Amplitude

12. Hookworms suck blood leading to the reduction in iron

13. It enables a p7 candidate iron uniform

14. Teenage pregnancy can lead to dropping out of school. / It can also lead to obstructed labour leading to death / obstetric fistula/ forced marriage/ difficulty in providing basic needs to the baby / rejection from parents

15. To roll food into bolus

16. Mulching prevents weeds from getting sunlight making them unable to make food

and die

17. A worker bee sucks nectar from flowering plants as plants get pollinated

18. An ostrich does not fly

19. Female Genital Mutilation

20. Arachnids have two main body parts / they also have four pairs of legs

21. School health club / Young farmers club / Compound and sanitation club .

22. To start making food for the seedlings

23. Salt

24. The effort on a fishing rod is between the load and the pivot

25. The trees in a wood lot absorb carbon dioxide in the atmosphere hence controlling air pollution

26. By boiling to kill germs / by treating water

27. 10 millilitres

28. Malaria

29. Biceps relax as triceps contract to straighten the arm

30. Partial deafness

Section B

32 a) i). Colostrum is the first thick yellowish milk produced by an animal immediately after delivery

ii) Steaming up is the supplementary feeding of a pregnant animal on food rich in proteins

b) Steaming up encourages the growth of the foetus in the animals womb

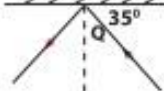
c) Brucellosis

32 a) Colon / gullet

b) Faeces is not formed as a result of metabolism

c) Hydrochloric acid provides acidic condition for the stomach enzymes to work

33 a).



b) incident ray

$$c). \quad Q + 35^\circ = 90^\circ$$

$$Q + 35^\circ - 35^\circ = 90^\circ - 35^\circ$$

$$Q = 55^\circ$$

34 a) Seed dispersal

b) seed dispersal prevents

overcrowding of plants in an area / it also reduces competition for water and minerals

c) Animals

35 a) Damp proofing prevents water from climbing the wall

b) Drainage of the area / Topography of the area

c) attack from vectors

36 i). Okilong would get a weighing balance

and place it on the stand.

ii) He then picks the two balloons and inflates one .

iii) He ties the inflated balloon at one end then the other at the other end

iv) In an observation the inflated balloon goes up overweighs uninflated one .

37 a) Convulsions

b) Severe illness

c) To prevent the victim from biting the tongue

d) To save life / To promote quick recovery

38 a) Transpiration

b) Sweating

c) Humidity / Temperature

39 a) An amphiprotic is an animal with both reproductive organs

b) Tapeworm

c) By creating tunnels in the soil

d) Hydrostatic skeleton

40 a) Heat insulators are materials that do not allow heat to pass through them easily

b) Paper/ Wood/ rubber

c) Heat insulators are placed on the handles of iron boxes and frying pans to prevent users hands from getting burnt / heat insulators are also used in kitchens for carrying hot saucepans