

COUHEIA EXAMINATIONS S.S.T MARKING GUIDE MOCK 2023

SECTION A 40 MARKS

1. - cow - goat - sheep.
2. Lake Katwe
3. - It shows the total number of learners in a class.
- It shows attendance of learners.
- It is a bank for information about learners/parents/ Guardians.
4. Democratic Republic of Congo/DRC.
5. It shows him direction.
6. - Radio communication is cheaper than Television Communication.
- Radio communication covers a wider area unlike Television.
- More languages are used by a radio unlike Television.
7. - To obey - To respect - To do domestic work (Accept any example of domestic work)
8. - Sugarcane - Tea - Oil palm
9. He exiled Kabaka Muteesa II / Sir Edward Muteesa II.
10. - South Western Uganda is at higher Altitude unlike Northern Uganda.
- South Western Uganda is Mountaneous unlike Northern Uganda.
11. - It sets national examinations
- It marks national examinations.
- It grades national examinations.
- It distributes national examinations.
12. - To prevent global warming
- To improve on climate / rain formation.
- To have constant supply of firewood.
- To improve on their income.
13. He was the first European explorer to cross through the Masai land.
14. Dr. Julius Kambarage Nyerere.
15. - There is enough pasture for cattle.
- Enough water for livestock.
16. - For easy administration
- For easy transportation of goods / people.
- To develop trade/To develop East Africa.
17. For food security/ Avoid shortage of food/improve on food production - To improve of income base.
18. - Air transport movers in a straight line unlike road transport.
- Roads have corners unlike Air transport.
19. Rain guage.
20. To prevent running and splashing water from entering rain guage.
21. It helps a farmer to know how much water has entered the soil.
22. Leeward side receives dry winds
23. To reduce speed.
- 24.
25. It represents wildlife / wild animals.
26. Value Added Tax/VAT.
27. - Water for irrigation / domestic/commercial/industrial use.
- They get fertile soil / silt - fish.

28. Introduced coffee growing.
29. - Reporting wrong doers.
- By observing the laws of the country.
30. Mediterranean region.
31. Both are plain Nilotes / Nilo Hamites.
32. - Provide wood for making boats.
- Provide safe breeding grounds for fish.
33. Pipelines.
34. - Respecting view of learners sensitizing learners about their roles.
- Enforcing rules
- Assigning responsibility equally.
- Through guidance and counselling.
- Involving learners in formulating the rules.
35. Source of water - It has fertile land
- It is where growing of crops is done.
36. **Either:**
- Ishmael - Zimran - Jokshan - Medan
- Midian - Ishbak (Genesis 25:1-2
OR: Ismail.
37. **Either** - It protected him from floods.
OR: - It protected him from floods.
38. **Either** - Physical - Emotional - Spiritual - Mental.
OR: Physical - Emotional - Spiritual - Mental.
39. **Either** - Do not commit adultery.
- Do not desire another man's wife / slave/property.
OR: - When a man is impotent
- Failure for a man to look after her.
- When a man becomes insane.
40. **Either:** - To get knowledge about God.
- To be close to God
- To get guidance about different daily life aspects.

OR: - To get knowledge about Allah
- To be close to Allah.
- To get guidance / Advice on different daily aspects of life.

SECTION B (60 MARKS)

- 41ai) Diamonds
- ii) Gold
- b)- Has created employment.
- Source of incomes.
- It has led to development of infrastructure.
- Presence of fresh waterbodies.
- c)- Low technology - Shortage of funds.
- Lack of enough skilled labour.
- 42a) - Foot - Animal - Canoes / boats / Dhows.
- b)- Traditional means of transport is cheaper than modern means.
- Traditional means of transport doesn't require alot of skills compared to the modern means.
- c)- It is expensive to tarmac roads.
- Lack of enough funds.

- 43a) It is the pattern of population settlement in an area.
- b) - Fertility of the land - security - Industrialisation / Employment opportunities - Government policy - availability of social services.
- c) - Shortage of labour - Low revenue collection.
- 44a) River Kafu.
- b) Lake Mburo National Park / Lake Mburo.
- c) It is where crude oil is found.
- 45a) Green Heart, Rose wood, Mahogany, Ebony Iroko
- b)- Attract tourists - Home of wildlife
- Provides food to wild animals.
- c)- Human encroachment - cleared for settlement / Industrialisation. Agriculture - Charcoal burning.
- 46a) Commission General of Prisons (CGP)
- b) - It offers employment - It keeps wrong doers
- It counsels in mates.
- c) - Ministry of internal affairs.
47. Dr. Milton Obote
..... African National Congress (ANC)
Kwameh Nkrumah.....
..... Kenya African National Union (KANU)
- 48a) - River Congo.
- b)- It has many tributaries - It lies in Equatorial region
- c) - Atlantic Ocean.
- 49ai) Comoros
- ii) Seychelles
- b) Bungeella
- c) Causes dry conditions in area marked **K**.
- 50a) - Lakes; Victoria, Tanganyika - Turkana - Edward
- Malawi - Albert.
- b) - Separation of families - Loss of land - created conflicts.
- c) To maintain peace.
- 51a) **Either:**
- Semon Pedes - Andrew - Judas Iscariot - Phillip - Matthew. - Bartholomew - James - John - Thomas
- b) To help Jesus in His work.
- c) Preaching the word of God.
- OR:**
- a) Abubaker - Umar Ibin Khattab - Hamzah.
- b)- To help him in his work / Give him support
- Spread Islam.
- c) -Preaching of Islam / Spreading Islam.
- 52 **Either:**
- a) The sin committed by Adam and Eve
- b) Heaven
- c)- Praying for them
- According them descent burials
- OR:**
- a) The sin committed by Adam and Haawa
- b) Heaven
- c)- Holding Prayers before burial .

- Installing the hair.
- According them descent burials (Accept any one
soecifi example of descent burial)
53. **Either:**
- a) Greed - false accusation - Adultery - Backbiting
- Adultery.
- b)- Asking for forgiveness from God.
- Through confession.
- Through shaking hands.
- Sharing a meal / drinks / eats
- c) Both ask for forgiveness.
- OR:**
- a) Greed - false accusation - Adultery - Backbiting - Adultery.
- b)- Asking for forgiveness from God.
- Through confession.
- Through shaking hands.
- Sharing a meal / drinks / eats
- c) Both ask for forgiveness.
54. **Either:**
- a) - Washed disciple's feet
- Fed the disciples / served the holy communion
- bi)- Body of Christ
- ii)- Blood of Christ
- c)- Their faith is strengthen
- Their relationship with God renewed.
- They get close to God.
- OR:**
- a) ZAKAT
- b)
- c) Receives blessings.
- 55ai). Isaiah - Preached about the coming of Jesus.
- ii) Mary Magdalene - was the first to see Jesus after resurrection.
- iii) Job - Endured suffering.
- iv) Joseph of Arimathea - Buried Jesus Christ.

OR:

END

COUHEIA EXAMINATIONS INTEGRATED SCIENCE MARKING GUIDE MOCK 2023

SECTION A 40 MARKS	
<p>1. Meat// milk// Blood// Eggs// Skins// Hides// Bones// Dung// Urine// horns// hooves.</p> <p>2. Enables the dog to scare off enemies//Enables the dog to express its feelings (Hunger, anger, happiness) // Protection</p> <p>3. By bathing regularly // washing clothes and clothes regularly // Treating skin infections and wounds// brushing teeth every after a meal.</p> <p>4. Enables the P.7 pupil to write// to sit at the desk // to walk.// Erase mistakes on pencil work.//</p> <p>5. Brain.</p> <p>6. Structures K help to remove remains of food particles between the teeth.</p> <p>7. Paving// tarmacing// planting gras// planting trees// digging water channels (trenches)// laying gabions.</p> <p>8. Burn.</p> <p>9. Wilting due to increased rate of transpiration.</p> <p>10. Both insects and birds reproduce by laying eggs.// Both have internal fertilization.</p> <p>11. Taking a drink every after a meal // Eating a fruit every after a meal // Including vegetables in one's diet.</p> <p>12. Pneumonia // coccidiosis.</p> <p>13. By feeding family members on a balanced diet.</p> <p>14. Show the strength of wind // shows the direction of wind.</p> <p>15. Roasting // Cooking // Sundrying // Salting // Refrigeration // Boiling.</p> <p>16. Tsetsefly.</p> <p>17. Mulching // Watering // Manuring // Weeding // Spraying Pesticides.</p> <p>18. It destroys breeding places for houseflies // Kills the larva, eggs of houseflies // destroys food for the houseflies and their larvae.</p> <p>19. Intercoastal muscles help in the process of inhalation and exhalation.</p> <p>20. To control expenses on energy // Reduce costs on energy.</p> <p>21. Watering in a dry season // Fencing areas covered by the gree grass // Continuous sensitization of pupils about keeping the compound with green grass.</p> <p>22. Vent pipe // Screen // Spiral shaped walls // open hole // Cemented floor// Good root.</p> <p>23. It transports oxygen need to burn down food for energy production in the body.</p> <p>24. To prevent contamination of the solution.</p> <p>25. Magnetic field.</p>	<p>26. For food // For protection // For transport.</p> <p>27. Encouraging people to wear shoes / sandals // gumboots as they walk through dirty places // proper disposal of human faeces and urine in latrines.</p> <p>28. Dicotyledonous Plants.</p> <p>29. Measles.</p> <p>30. By de-beaking // Quick removal of eggs from the laying nests // Providing laying nests in dark places // Proper feeding of birds.</p> <p>31. - Provides water which is needed for Photosynthesis.</p> <ul style="list-style-type: none"> - Provides water needed to dissolve soil nutrients for plant up-take. - Provides water needed for seed germination. - Provides water which softens soil for easy plant root penetration. <p>32. - For all community members to access the services.</p> <ul style="list-style-type: none"> - To benefit all members in the community. <p>33.</p> <p>34. Active smoking // Passive smoking.</p> <p>35. By sharing clothes // bedding // bathing sponges // Combs // Stockings with an infected person.</p> <p>36. Helps to fix the cover tightly // Helps to minimize heat loss by Conduction..</p> <p>37. - Washing hands // Udder // Containers before milking.</p> <ul style="list-style-type: none"> - Cleaning the milking Parlour before milking. - Testing milk for presence of mastitis. <p>38. Gap Filling.</p> <p>39. Keeping it free from moisture // heat.</p> <ul style="list-style-type: none"> - Properly sealing it in packets or bottles. - Keeping it out of the reach of children. <p>40. Effort arm.</p> <p>SECTION B (60 MARKS)</p> <p>41a) Interdependence of livingthings in the environment.</p> <p>bi) Oxygen.</p> <p>ii) Carbondioxide.</p> <p>c) Pruning // Spraying with pesticides // weeding // watering // Manuring // Staking // Training.</p>

<p>42ai) The use of drugs in a way which is harmful to the body.</p> <p>ii) This is a condition of the body when it is used to a certain drug and a person cannot perform any duty without using the drug first.</p> <p>b)i) + (ii) Tobacco // Alcohol // Miraa// Marijuana// Coffein// Jet fuel // Heroin // Petrol.</p> <p>43ai)+ii) Fish // Repairs</p> <p>b) Frogs use their moist skin for breathing whereas Toads use their lungs to breathe.</p> <p>c) The jelly is sticky and helps the eggs to get attached to objects in water // Protects against Sun radiation // It is smelly and protects them from being eaten by Predators//</p> <p>44a) Refraction is the bending of a light as it passes through different optical media..</p> <p>b) The difference in densities of the different media..</p> <p>c) Drowning / Near drowning due to apparent depth.</p> <p>d) By painting its interior walls black // Putting a black layer on its interior walls.</p> <p>45ai) Water tanks // Gutters// Basins // Buckets// Sauce pan.</p> <p>ii) Solar panels.</p> <p>b) For lighting// For running machines// For heating, warming, drying.</p> <p>c) Reduces the pressure put on trees for wood fuel// Controls deforestation.</p> <p>46a) Mohair/Fur/Hair.</p> <p>b) Milk// Meat // Skin // blood // dung // urine.</p> <p>c) Tethering// Zero grazing // Free-range// Rotational grazing.</p> <p>47ai) Planting seeds (grains) / Seed Propagation.</p> <p>ii) Planting the Irish potatoe tuber/ Vegetative Propagation..</p> <p>b) Stem cutting.</p> <p>c) Cassava // Sugar cane // Sweet Potato // Rose flower plant.</p> <p>48a) A condition when a person loses consciousness for a short time.</p> <p>b) Inadequate supply of oxygen to the brain.</p> <p>c) Hunger // anger // stress // sickness // straneous exercise// sad news//overstanding under hot sun.</p> <p>d) Make the victim lay on his/her back with the legs held slightly above the head level.</p>	<p>49a) Drought// Too much sunshine// Floods// land slides// Earth quakes // volcanic eruption// wind storms.</p> <p>b)i)+ii) leads to rotting of crops // plants// leads to floods// makes transport difficult// causes death of some organisms// leads to soil erosion// destroys bridges, property.</p> <p>50a) Swallowing birth control pills// use of birth control injections.</p> <p>b) They bring about side effect like overbleeding// increased blood pressure // headache.</p> <p>c) Making the baby suckle more frequently them usual // making the baby suckle both day and night.</p> <p>51a) Glass envelope.</p> <p>b) To fit inside the glass envelope // To minimize energy loss through convection currents// To increase resistance in order to produce more heat and light.</p> <p>c) To allow light out of the bulb.</p> <p>d) Electric energy changes to heat energy and to light energy.</p> <p>52a)i. Ticks// tsetseflies// mites// mosquitoes// Lice// Vampire bats.</p> <p>ii) Round worms// Tape worms// Liver flukes.</p> <p>b) They suck blood// lead to low quality skins// Transmit germs to cattle.</p> <p>c) To prevent inhaling of the chemicals// To prevent chemicals getting into our eyes.</p> <p>53ai) Clay soil.</p> <p>ii) Sand soil.</p> <p>bi) It is sticky and so binds soil particles together.</p> <p>ii) It is dark and so absorbs heat into the soil // It has a lot of nutrients needed for plant growth</p> <p>54a). Natural Immunity.</p> <p>b) Calcium</p> <p>c) Proteins // mineral salts.</p> <p>d) To stimulate milk production in their breasts.</p> <p>55a) The single movable pulley.</p> <p>b) The effort required is always a half the load// It requires less effort than the single fixed pulley</p> <p>c) Force of Tension // Force of gravity.</p> <p>d) By lubrication (oiling / greasing)// By applying ball bearing.</p>
--	---

COUHEIA EXAMINATIONS ENGLISH MARKING GUIDE MOCK 2023

SECTION A 40 MARKS

1. which
 2. know
 3. after
 4. rather
 5. flowers
 6. slowly
 7. editors
 8. succeed
 9. trimming
 10. ease
 11. begun
 12. hers
 13. lying
 14. voluntary
 15. mistier
 16. dry, hot, rain, wet
 17. thimble, thread, through, thumb
 18. A computer has many functions for man.
 19. The doctor allowed / okayed Nsereko to train for the athletics.
 20. tow (V/n)
Verb = (1) to pull a car, boat, etc, with a chain or rope
e.g: The breakdown truck will tow the wreck to the garage.
(2) to pull somebody along behind you, e.g
I had to tow the stubborn kid to school.
noun = an act of one vehicle pulling another using a rop or chain, e.g, If your car breaks down, you need a tow.
 21. toe n/v)
noun = one of the small parts on the foot of a person, animal or bird.
I stubbed my toe on a stone.
Verb (idiom = toe the line) to say or do what some body in authority says even if you have a different view.
e.g, I refused to toe the line even if it meant risking my job.
 22. Hon / Hon. "Reject 'hon'!
 23. shan't
 24. etc.
 25. Aguti seems to have understood my explanation.
 26. It is unusual / strange to eat porridge with posho.
 27. How many customers does this restaurant seat?
 28. We can prevent some diseases by eating well.
 29. I listened to the prefects' oaths attentively.
 30. Hunger can drive wolves out of the forest.
Hunger can drive the wolves out of the forest.
- Subsection II**
31. Is your brother a careful driver?
 32. I met neither Barbara nor her husband.
 33. - We look forward to many guests at the hotel this weekend.
- We look forward to receiving many guests at the hotel this weekend.
 34. - I asked the man who he was.
- I wanted to know from the man who he was.

- I inquired of the man who he was.
35. Your new dictionary, which you ordered three days ago, is over there.
36. A good grade is what he is striving for in PLE.
37. No sooner had Dad got his leave than he travelled up-country.
38. Kasumba has borrowed these scissors from the tailor.
39. - Magula may buy a new phone if he (she) gets some money.
- Mugula will buy a new phone if he (she) gets some money.
40. There are few hills in our country, are there?
41. My team managed to beat Nzoga's team although they / it did not train for long.
42. They have repaired our class teacher's table.
43. She needn't have carried an umbrella.
44. Both a mechanic and a builder are important people in the community.
45. Mukwasi likes reading sports news, but Barigye likes completing puzzles.
- Barigye likes completing puzzles, but Mukwasi likes reading sports news.
46. None of the candidates failed the mock exams.
47. Bulangiti (Hotel) is a very spacious hotel.
- Bulangiti Hotel is a really (an extremely) spacious hotel./ Bulangiti Hotel is really/quite/ extremely/very spacious.
48. Purple House scored twice as many points as Yellow House.
49. Football is liked all-over the world.
50. That road is too busy for me to cross alone.

SECTION B

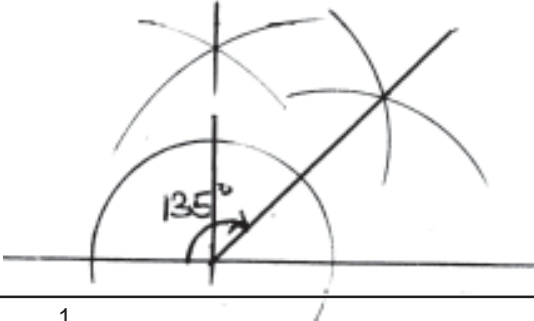
- 51a) The first term is mentioned in the passage.
Term one is mentioned in the passage.
- b) According to the passage, December usually has many functions.
According to the passage, the month of December usually has many functions.
- c) A Siesta is missed by pupils while at school.
- d) Sedoolo, the writer's long time friend, told him a story about crop growing.
Sedoolo told the writer a story about crop growing.
- e) tomatoes / cabbages / onions.
- f) Nabiwata and her brother's dad/father bought them the seedlings for their garden.
- g) It was necessary for the two siblings to water their crops because/since December and January were dry months.
..... because it was a dry season,
- h) Dry grass was used to mulch the garden in the passage.
- In the passage, dry grass is the material that was used to mulch the garden.
- i) Apart from selling, Sedoolo and his sister plan to give (some of) their harvest to their family for consumption.

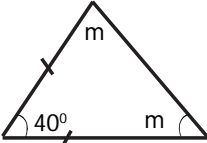
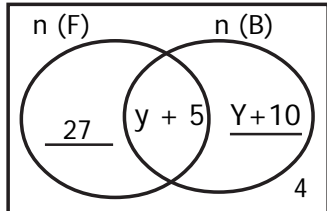
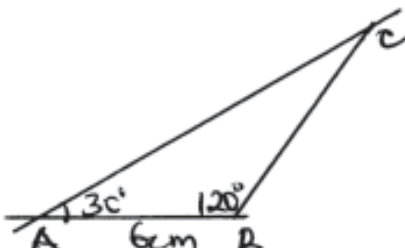
<p>(j) - Holiday Activities - A Holiday Well-spent - School Holidays - Holiday Experiences - The young Farmer(s) - The First Day of Term One - Growing crops - Practice makes perfect - Sedoolo Learns Farming - We learn by Doing - Action speaks louder - The Joy of Farming than words. - We Reap What we Sow.</p> <p>52.</p> <p>(i) Primary seven pupils of Kiti Primary School wanted to help their village. (ii) They decided to visit each home in the village. (iii) When they arrived, they talked to the family members. (iv) They talked about the importance of cleanliness. (v) The first thing they said was that everyone should bathe everyday. (vi) Secondly, they told each family member to wash their hands after visiting the toilet. (vii) Thirdly, they advised the family members to use a twig or a toothbrush to clean their teeth. (viii) The pupils also talked about the necessity of vaccinating children. (ix) Finally the pupils showed the families some posters they had made. (x) These showed healthy and happy children bathing, cleaning their teeth and washing their hands.</p> <p>53.</p> <p>(a) This poem has four stanzas. b) The writer is talking to his/her brother. The writer is talking to everybody/everyone/all people/ you and me. c) The writer compares a mother with a job. d) The writer is discouraging white collar jobs in stanza two. e) job/source of income / our jobs/our sources of income. f) Office jobs are no longer enough according to the poem. According to the poem, office jobs are no longer enough. g) I think life would be funny if we all did one job because (e.g, nobody would do the rest of the jobs/some jobs would not be done / some services would not be provided. h) This poem was written by Kaaso. i)a. earnings/salary / wage(s) / money / pay / takings / revenue. b. matter.</p> <p>54a) The above information was recorded by Faith.</p>	<p>b) The above candidate attends Young Primary School (in Gulu City). c) This information was recorded in Term I, 2023. d) This candidate did nine tests. e) The candidate above declined in beginning of April test. f) This candidate obtained a second grade in two tests. g) - The class teacher's comment on the third test was "improved" / "Improved" was the class teacher's comment on the third test. - The class teacher's comment on the third test was that she/ Faith has improved. h) I think the candidate did not perform well in the beginning of term one test because (any good reason, e.g. She did not revise her books during the holidays. she had forgotten many concepts or ideas in the previous classes. i) - The lowest mark for pass seven according to the grading scale given is 45 / forty-five percent (45%) - According to the grading scale given, the lowest mark for pass seven is forty-five percent / is 45%. j) She performed very well in End of March test I.</p> <p>55. (Responses follow the given sequence)</p> <p>(a) Thank you, Mother. / Thank you, Mum / Mummy/Mom. (b) School was OK. / School was fine. / School was all right today. (c) Yes, I have some news. / Yes, there is some news. (d) We are going to elect new prefects. (e) We are going to elect them / new prefects in second term. (f) We shall (We'll) elect (them/prefects) in June. (g) Yes/Certainly, I (do) wish to stand for a post/ one of the posts. (h) I wish to stand for the post of library prefect. / I want to become a library prefect. (i) I want to become a library prefect to/ become... (any sensible reason, e.g.....so that I can read many books) (j) I would like you / I request you to give me flyers for distributing to my voters.</p> <p style="text-align: center;">END</p>
---	--

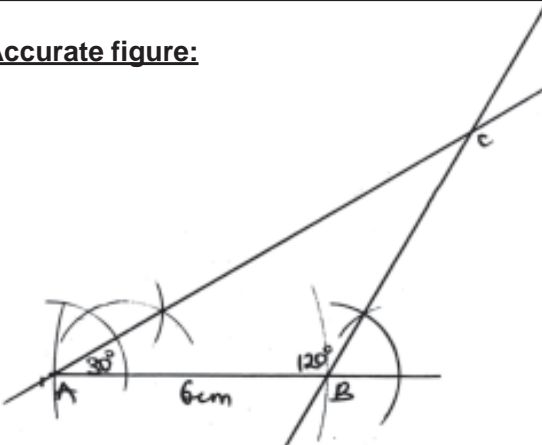
COUHEIA EXAMINATIONS MATHS MARKING GUIDE MOCK 2022

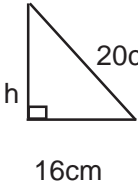
SECTION A 40 MARKS

SN	SOLUTION	MARK	COMMENT
1.	$\begin{array}{r} 463 \\ + 35 \\ \hline 493 \end{array}$	B ₂	On Sight
2.	$\begin{array}{l} 2(x - 4) = 12 \\ 2x - 8 = 12 \\ 2x - 8 + 8 = 12 + 8 \\ \cancel{2x} - \cancel{8} = \cancel{20}^{10} \\ \cancel{2} \quad \cancel{2} \\ x = 10 \end{array}$	M ₁ A ₁	For correction of like terms. For 10.
3.	$\begin{array}{l} (4 \times 1000) + (6 \times 10) + (8 \times \frac{1}{10}) + 9 \times \frac{1}{100} \\ 4000 + 60 + 0.8 + 0.09 \\ 4060.89 \end{array}$	M ₁ A ₁	For expansion For accuracy
4.	$(X \cap Y)^1 = \{b, c, d, f, i, o\}$ $n(X \cap Y)^1 = 6.$	B ₁ B ₁	For the correct set For 6
5.	<div><div>$\begin{array}{r} \text{TH} \quad \text{H} \mid \text{T} \quad \text{O} \\ 6 \quad 4 \mid 7 \quad 3 \\ 6400 \\ + 100 \\ \hline 6500 \end{array}$</div><div>$\begin{array}{r} 100 \\ \swarrow \\ 73 \\ 0 \end{array}$</div></div>	M ₁ B ₁ M ₁	For addition For correct region shaded For correct method
6.	<div><div>$\begin{array}{ccccccc} 41, & 40, & 38, & 37, & 35, & 34, & 32 \\ \swarrow & \searrow & \swarrow & \searrow & \swarrow & \searrow & \\ -1 & -2 & -1 & -2 & -1 & -2 & \end{array}$</div><div>$\begin{array}{l} \text{Sum} = 34 + 32 \quad 1200 \\ = 66 \end{array}$</div></div>	B ₁ B ₁	For 34 and 32 For 66
7.	$\begin{array}{l} -3 - (-7) \\ -3 + 7 \\ 4 \end{array}$	M ₁ A ₁	For correct method. For 4.
8.	$\begin{array}{l} 3(x + 2) - (x - 4) \\ 3x + 6 - x + 4 \\ 3x - x + 6 + 4 \\ 2x + 10 \end{array}$	M ₁ A ₁	For removal of brackets. For 2x + 10
9.	$\begin{array}{l} \text{No. of bottles} = 20l \div \frac{1l}{4} \\ \quad \$		

SN	SOLUTION	MARK	COMMENT
11.	<p>Men days</p> <p>12men \longrightarrow 4 days</p> <p>1 man \longrightarrow (12 x 4) days</p> <p>\therefore 8 men \longrightarrow 48⁶</p> <p style="margin-left: 150px;">8₁</p> <p style="margin-left: 150px;">6 days</p>	<p>M₁</p> <p>A₁</p>	<p>For correct method</p> <p>For 6</p>
12.		<p>B₁</p> <p>B₁</p>	<p>For the touchline</p> <p>For 135°</p>
13.	<p>$5 \times x^1 = 4 \times x$ (finite 7)</p> <p>x₁ 5 = 4x (finite 7)</p> <p>4x = 5+7 (finite 7)</p> <p>4₁ x = 12³ (finite 7)</p> <p style="margin-left: 100px;">4₁ 4₁</p> <p style="margin-left: 100px;">x = 3 (finite 7)</p>	<p>M₁</p> <p>A₁</p>	<p>For correct method.</p> <p>For 3</p>
14.	<p>$\frac{4x + 1 + 5x + 14}{3}$</p> <p>$\frac{3x}{9x + 15}$⁵</p> <p style="margin-left: 40px;">3₁</p> <p style="margin-left: 40px;">3x + 5</p>	<p>M₁</p> <p>A₁</p>	<p>For division</p> <p>For 3x + 5</p>
15.	<p>1000gm = 1kg</p> <p>1500gm = 1500</p> <p style="margin-left: 100px;">1000</p> <p style="margin-left: 100px;">= 1.5kg / 1½ kg</p>	<p>M₁</p> <p>A₁</p>	<p>For division</p> <p>For 1.5kg or 1½ kg</p>
16.	<p>10⁷⁵ : 15 am</p> <p>- 2 : 30</p> <hr style="width: 100px; margin-left: 0;"/> <p>08 : 30</p> <p>\therefore It started at 8:45a.</p>	<p>M₁</p> <p>A₁</p>	<p>For subtraction</p> <p>For 8:45a.m</p>
17.	<p>1000m = 1km</p> <p>40m = 40 km</p> <p style="margin-left: 100px;"><u>1000</u></p> <p>1s = $\frac{1 \text{ h}}{3600}$</p> <p>s = $\frac{40 \text{ km}}{1000} \div \frac{1 \text{ h}}{3600}$</p> <p style="margin-left: 100px;">1000</p> <p style="margin-left: 100px;">= $\frac{4 \text{ km}}{1000} \times \frac{3600}{\text{h}}$</p> <p style="margin-left: 100px;">1000</p> <p style="margin-left: 100px;">= 144km/h</p>	<p>B₁</p> <p>B₁</p>	<p>For radius</p> <p>For volume</p>
18.	<p>4.3 (85 - 55)</p> <p>4.3 (30)</p> <p><u>43</u> x 30</p> <p style="margin-left: 10px;">10</p> <p>129.</p>	<p>M₁</p> <p>A₁</p>	<p>For correct method</p> <p>For accuracy</p>

SN	SOLUTION	MARK	COMMENT																																
19.	$14,000 \times \text{UG} \times 36$ $\text{UGX } 504,000$ $\begin{array}{r} 1 \quad 140 \\ \text{UGX } 504,000 \\ \hline \text{UGX } 3600 \\ 1 \quad 1 \\ \text{USD } 140 \end{array}$	B_1 B_1	For UGX 504,000 For USD 140.																																
20.	 $\begin{aligned} m + m + 40^\circ &= 180^\circ \\ 2m + 40^\circ &= 180^\circ \\ 2m + 40^\circ + 40^\circ &= 180^\circ - 40^\circ \\ 2m &= 140^\circ \\ \frac{2m}{2} &= \frac{140^\circ}{2} \\ m &= 70^\circ \end{aligned}$	M_1 B_1	For formation of eqn For 70° . Reject without working on the diagram.																																
21a.		B_1 B_1	For 27 For $y + 10$																																
b)	$\begin{aligned} y + 5 + y + 10 &= 29 \\ 2y + 15 &= 29 \\ 2y + 15 - 15 &= 29 - 15 \\ 2y &= 14 \\ \frac{2y}{2} &= \frac{14}{2} \\ y &= 7 \end{aligned}$	M_1 A_1	For Formation of eqn For 7																																
c)	$\begin{aligned} (y + 10) + 27 \\ (7 + 10) + 27 \\ 17 + 27 \\ 44 \text{ pupils} \end{aligned}$	B_1	For 44																																
22a)	<table><tr><td>2</td><td>30</td><td>40</td><td>50</td></tr><tr><td>2</td><td>15</td><td>20</td><td>25</td></tr><tr><td>2</td><td>15</td><td>10</td><td>25</td></tr><tr><td>2</td><td>15</td><td>5</td><td>25</td></tr><tr><td>3</td><td>15</td><td>5</td><td>25</td></tr><tr><td>5</td><td>5</td><td>5</td><td>25</td></tr><tr><td>5</td><td>1</td><td>1</td><td>5</td></tr><tr><td></td><td>1</td><td>1</td><td>1</td></tr></table> $\begin{aligned} 2 \times 2 \times 2 \times 3 \times 5 \times 5 \\ 8 \times 15 \times 5 \\ 600 \text{ minutes} \end{aligned}$	2	30	40	50	2	15	20	25	2	15	10	25	2	15	5	25	3	15	5	25	5	5	5	25	5	1	1	5		1	1	1	M_1 A_1	For Multiplication For 600 minutes
2	30	40	50																																
2	15	20	25																																
2	15	10	25																																
2	15	5	25																																
3	15	5	25																																
5	5	5	25																																
5	1	1	5																																
	1	1	1																																
b)	<table><tr><td>60min = 1h</td><td>6 : 45am</td><td>16 45</td></tr><tr><td>600min = 600 h</td><td>+ 10:00</td><td>- 12 00</td></tr><tr><td>60</td><td>16 45</td><td>4: 45pm</td></tr><tr><td>= 10h</td><td></td><td></td></tr></table>	60min = 1h	6 : 45am	16 45	600min = 600 h	+ 10:00	- 12 00	60	16 45	4: 45pm	= 10h			B_1 M_1 A_1	For 10h For addition For accuracy																				
60min = 1h	6 : 45am	16 45																																	
600min = 600 h	+ 10:00	- 12 00																																	
60	16 45	4: 45pm																																	
= 10h																																			
23a	<u>Sketch</u> 	S_1 L_1 C_1	For a well labelled sketch. For 6cm For 120°																																

SN	SOLUTION	MARK	COMMENT																				
	<p><u>Accurate figure:</u></p> 	C ₁ B ₁	For 30° For 10.6cm																				
b)	$\overline{AC} = 10.6 \text{ cm} \pm 0.1\text{cm}$																						
24a)	$D = S \times T$ $= 40\text{km} \times 2\frac{1}{2}\text{h}_1$ $= \overset{20}{\cancel{40}}\text{km} \times \frac{5}{2}$ $= 100\text{km}.$	M ₁ A ₁	For multiplication For 100km.																				
b)	<div><div><u>Kamuli to Jinja</u> $D = S \times T$ $= \overset{30}{\cancel{60}}\text{km} \times \frac{3}{2}\text{h}_1$ $= 90\text{km}.$</div><div>$\text{Avs} = \frac{100\text{km} + 90\text{km}}{2\frac{1}{2}\text{h} + 1\frac{1}{2}\text{h} + 1\text{h}}$ $= \frac{190\text{km}}{5\text{h}}$ $= 38\text{km/h}$</div></div>	B ₁ M ₁ A ₁	For 90km For division For 47½ km/h																				
25a)	<table><tr><th>Item</th><th>Qty</th><th>Unit cost</th><th>Amount</th></tr><tr><td>Meat</td><td>3kg</td><td>sh. 12,000</td><td>sh. 36,000</td></tr><tr><td>Rice</td><td>7kg</td><td>sh. 4,000</td><td>sh. 28,000</td></tr><tr><td>Maize flour</td><td>750g</td><td>sh. 2,800</td><td>sh. 2,100</td></tr><tr><td></td><td></td><td>TOTAL</td><td>sh. 66,100</td></tr></table>	Item	Qty	Unit cost	Amount	Meat	3kg	sh. 12,000	sh. 36,000	Rice	7kg	sh. 4,000	sh. 28,000	Maize flour	750g	sh. 2,800	sh. 2,100			TOTAL	sh. 66,100	B ₁ B ₁ B ₁	For sh. 36,000 For 7kg For sh. 2800
Item	Qty	Unit cost	Amount																				
Meat	3kg	sh. 12,000	sh. 36,000																				
Rice	7kg	sh. 4,000	sh. 28,000																				
Maize flour	750g	sh. 2,800	sh. 2,100																				
		TOTAL	sh. 66,100																				
	<table><tr><td>3 x 12000 sh. 36000</td><td>$\frac{28000}{7}$ 4000 7kg</td><td>$2100 \div \frac{3}{4}$ $\frac{700}{2400} \times \frac{4}{3}$ 3 1 sh. 2800</td></tr></table>	3 x 12000 sh. 36000	$\frac{28000}{7}$ 4000 7kg	$2100 \div \frac{3}{4}$ $\frac{700}{2400} \times \frac{4}{3}$ 3 1 sh. 2800	B ₁	For sh. 66,100																	
3 x 12000 sh. 36000	$\frac{28000}{7}$ 4000 7kg	$2100 \div \frac{3}{4}$ $\frac{700}{2400} \times \frac{4}{3}$ 3 1 sh. 2800																					
b)	Discount = $\frac{10}{100} \times \text{sh. } 66,100$ = sh. 6,610.	B ₁	For sh. 6,610																				
26a)	Rent $\longrightarrow \frac{1}{2}$ Remainder $\longrightarrow \frac{2}{2} - \frac{1}{2} = \frac{1}{2}$ Food $\longrightarrow \frac{1}{6} \times \frac{1}{2} = \frac{1}{12}$ Savings $\longrightarrow \frac{1}{2} - \frac{1}{12}$ $\frac{6}{6} - \frac{1}{12}$ $\frac{5}{12}$	B ₁ B ₁ B ₁	For ½ For ½ For $\frac{5}{12}$																				

SN	SOLUTION	MARK	COMMENT
b)	5 parts \rightarrow sh. 300,000 $\frac{60,000}{1 \text{ part}} \rightarrow$ sh. 300,000 5 1 sh. 60,000 sh. 720,000	B ₁ A ₁	For correct method For sh. 720,000
27a)	$(4 \times y) + (2 \times 80) + (2 \times 90) + (3 \times 31) = 63$ $2 + 4 + 2 + 3$ $4y + 160 + 180 + 93 = 63$ 11 $11(4y + 433) = 63(11)$ $4y + 433 = 693$ $4y + 433 - 433 = 693 - 433$ $4y = 260$ $y = 65$	M ₁ M ₁ A ₁	For correct substitution For collection of like terms For 65.
b)	31, 31, 31, 65, 65, 65, 80, 80, 90, 90 \therefore The median is 65	M ₁ A ₁	For Correct method For 65.
28a)	$1 \text{ kg} = 1000\text{g}$ $2\text{kg} = 2 \times 1000\text{g}$ $= 2,000\text{g}$	$\frac{2000}{10000} \times 100\%$ $\frac{2000}{10000} \times 100\%$ 10%	B ₁ B ₁ For 2000g or $\frac{1}{5} \text{ kg}$ For 10%
b)	$\left(\frac{225}{100} \times \frac{36}{10} \div \frac{5}{100} \times \frac{9}{10} \right)$ $\frac{45}{100} \times \frac{36}{10} \times \frac{100}{5} \times \frac{1}{10}$ $\frac{225}{100} \times \frac{36}{10} \times \frac{100}{5} \times \frac{1}{10}$ 180	M ₁ M ₁ A ₁	For conversion of decimals to common fraction. For reciprocal For 180.
29a)	$5x - 10 = 3x + 2$ $5x - 10 + 10 = 3x + 2 + 10$ $5x = 3x + 12$ $5x - 3x = 3x - 3x + 12$ $2x = 12$ $\frac{2}{2} \times \frac{12}{2} = \frac{12}{1}$ $x = 6$	M ₁ A ₁	For formation of correct eqn. For 6.
b)	$\frac{\text{base}}{5 \times 6 + 2}$ $30 + 2$ 32cm  $a^2 + b^2 = c^2$ $h^2 + 16^2 = 20^2$ $h^2 + 256 = 400$ $h^2 + 256 - 256 = 400 - 256$ $h^2 = 144$ $h = 12\text{cm}$	B ₁ A ₁	For 12cm For 12cm
c)	$\text{Area} = \frac{1}{2}bh$ $= \frac{1}{2} \times 32\text{cm} \times 12\text{cm}$ $= 192\text{cm}^2$	M ₁ A ₁	For multiplication For 129cm ²

SN	SOLUTION	MARK	COMMENT									
30a)	<div>Let Mukasa's age be n</div> <table><tr><td></td><td>Mukasa</td><td>Jane</td></tr><tr><td>Now</td><td>n</td><td>n - 18</td></tr><tr><td>In 10yrs</td><td>n + 10</td><td>(n-18) + 10</td></tr></table> <div>$2(n - 18 + 10) = n + 10$$2(n - 18) = n + 10$$2n - 16 = n + 10$$2n - 16 + 16 = n + 10 + 16$$2n = n + 26$$2n - n = n - n + 26$$n = 26$<div>Jane \longrightarrow 26 - 18 = 8 years</div></div>		Mukasa	Jane	Now	n	n - 18	In 10yrs	n + 10	(n-18) + 10	<div>M₁</div> <div>A₁</div> <div>B₁</div>	<div>For formation of correct eqn.</div> <div>For 26.</div> <div>For 8yrs.</div>
	Mukasa	Jane										
Now	n	n - 18										
In 10yrs	n + 10	(n-18) + 10										
b)	<div>Mukasa\longrightarrow 26 + 10 36years</div>	<div>M₁</div> <div>A₁</div>	<div>For correct substitution</div> <div>For 36yrs.</div>									
31a)	<div>$180(n - 2) = 1080$$180n - 360 = 1080$$180(n - 2) = 1080$$180n - 360 + 360 = 1080 + 360$$\frac{1}{180} \frac{180n}{180} = \frac{1440}{180}$$\frac{1}{1} \frac{180}{180} = \frac{180}{1}$$n = 8$</div>	<div>M₁</div> <div>M₁</div> <div>A₁</div>	<div>For Correct substitution in the eqn</div> <div>For collectionof like terms.</div> <div>For 8.</div>									
b)	<div>Ext. angle = $\frac{360^0}{45^0 \text{ no. of sides}}$ $= \frac{360^0}{8}$$= 45^0$</div>	<div>M₁</div> <div>A₁</div>	<div>For division</div> <div>For reciprocal</div> <div>For 45°</div>									
32a)	<div>Fraction of the space $\frac{4}{4} - \frac{3}{4} = \frac{1}{4}$<div>Let the height be d</div>$\frac{1}{4} \text{ of } d = 20\text{cm}$$4^1 \times \frac{d}{4^1} = 20\text{cm} \times 4$$d = 80\text{cm}$</div>	<div>B₁</div> <div>B₁</div>	<div>For $\frac{1}{4}$</div> <div>For 80cm.</div>									
b)	<div><div>Height of the water</div>$80\text{cm} - 20\text{cm} = 60\text{cm}$<div>vol. = $\pi r^2 h$</div>$= \frac{22}{7} \times 35\text{cm} \times 35\text{cm} \times 60\text{cm}$$= 231,000\text{cm}^3$<div>Capacity</div>$1000\text{cm}^3 = 1 \text{ litre}$$231,000\text{cm}^3 = \frac{231000}{1000}$$= 231\text{litres}$</div>	<div>M₁</div> <div>A₁</div> <div>B₁</div>	<div>For correct substitution</div> <div>For 231,000cm³</div> <div>For 231 litres</div>									