

KAMPALA CAPITAL CITY AUTHORITY P.7 SCIENCE MOCK MARKING GUIDE 2023

SECTION A Sun

2 Have 3 main body parts, 3 pairs of jointed legs (6legs)

3. Friction force

Using a strip cup

5. To enable oxygenated blood flow towards the brain

6. To dig in rock, stony or hard areas

To transport oxygen

D = M = 60g = 4g/ccV 15cc 15cc

Q Crude oil, coal

10. Nostril

11. Sand soil

12. Water contains oxygen, water is denser than Petrol so petrol will float and continue burning

Plant - locust - turkey - kite - bacteria 13.

Arteries carry blood away from the heart while 15. veins bring blood to the heart./Arteries carry oxygenated blood except pulmonary artery while veins carry deoxygenated blood except pulmonary vein.

It cannot be spread from an infected person to a 16. health one.

Male and female cells are produced from different 17.

Washing hands with clean running water and 18. soap, avoid body contact with an infected person

Converging lens (convex)

Suture joint 20.

21. Amino acids

22. By intramuscular injection, orally

To break down nitrogen to a nitrate fertilizer 23.

Sunken eyes, little or no urine, sunken fontanelle, pinched skin takes time to come back

Strong hitting, dropping magnets down, keeping it with like poles together, keeping it while facing East West direction.

Using suckers, using crown, using slips 26.

27.

It causes evaporation and transpiration 28.

To measure amount of electricity used in a circuit.

Due to upthrust force, buoyancy

still birth, underweight babies, premature deliveries, low mental ability

Polio 32.

33.

Look for new habitats, mating, protection/security 34.

It kills his chicks 35.

Homosexuality, lesbianism, incest, bestiality, rape, defilement

They lead to skin damage, death, change in skin 37. colour, can damage tendons

yeast/bacteria 38.

New substances which are irreversible, change in 39.

Oestrogen hormone, progesterone hormone 40

41. a) This is the keeping of food free/ safe from germs/ rotting

b) Tinning/canning/freezing/ refrigerating/ pasteurization, sterilization

c) It drains moisture

a) It causes expansion, contraction, increase in 42. size, cause temperatures to rise b) Sun, electricity, fire

c) i) solids - conduction ii) gases - convection as Right bronchus (reject only bronchus)

b) To keep it open all the time

c) Gascous exchange

a) Fuse, switch, conductor, ammeter, voltmeter, bulb

b) 1.5 x 4 = 6 volts

c) Both break the circuit

d) Electric shock

45. a) For easy mating, to destroy hiding places for

b) To fatten, be docile, prevent inbreeding, prevent hereditary diseases

12.

13.

14.

15

16

1

c) Dozing and drenching

d) Cross breeding

a) i) A - Incident ray ii) M - Emergency ray

b) Lr - Angle of refraction

c) Due to movement from a less dense medium to a more dense medium

a) Loss of consciousness for a short time b) Lack of blood with enough oxygen flowing to the brain/little flow of enough oxygenated blood to the

c) To enable the casualty have enough air with

d) To enable oxygenated blood flow to the brain.

a) Candidiasis, athletes foot

b) Penecilium fungi (special type of mould)

c) cell division/binary fusion

d) Food, moisture, warmth

a) First class

b) Q - Pivot / fulcrum

c) L X LA = E X EA 60 X 4 = 5 X K

240 = 5K

5 5 K = 48

Ruth is 48kg

50. a) Resources that provides necessary/ useful energy to people

b) Wind, solar, biogas, brinquetes, hydro electricity

c) i) Solid - coal

ii) Liquid - crude oil/ petroleum

a) Pitch is the highness or lowness of sound while volume is the loudness or softness of sound.

b) By sound waves

c) Tension, frequency, length/size of the vibrating object, material, thickness, thinness of the material

d) Writing and recording

a) Liver - dead red blood cells

b) Kidney - uric acid

c) Skin - sweat

d) Lung - carbondioxide

a) Soil contains water

b) For photosynthesis as a raw material

c) sun

d) modeling, plant growth, building

a) Fallopian tube/ oviduct

b) Vasectomy

c) To secrete (produce) semen/ fluid through which sperms travel/swim)

d) Regular cleaning, balanced diet, regular physical exercise, abstaining from sexual intercourse (reject abstaining only)

a) Have juicy epicarps, have hooks, good scent, ared coat that cannot be destroyed by digestive

b) Prevents extinctions, increases food production reduces overcrowding and competition, helps plants to colonise new area.

c) Wind, flowing water



KAMPALA CAPITAL CITY AUTHORITY P.7 S.S.T MOCK MARKING QUIDE 2023

SECTION A

- D.R.C Democratic Republic of Congo
- Identification/Unity
- millimetera
- Elections held to replace a vacant political post
- drought/lack of rain/too much sunshine/floods/ desertification etc
- By birth
- Strait of Gibralter 10
- Poor roads, untrained drives, old vehicles etc
- defilement/child labour/corporal 12 punishment/child neglect etc 13
- 14.
- He wrote a letter inviting missionaries to come to Uganda on behalf of the Kabaka 15.
- Estimation of income and expenditure 16.
- Uganda has many tribes with many languages/Uganda is a multi- ligual country 17
- Timber is a water proof 18.
- oases/oasis 19.
- 20. Pipeline
- Nilotics, River-lake Nilotes 21.
- 22. LC 5
- 23. Southern region
- Ecomou 24
- East African Anthem 25
- Their land was divided into two parts/Kabaka's 26. power were reduced/introduction of taxes
- Monsoon winds 27
- He wrote magazines, newspapers and reports 28 about the evil practices of slave trade
- The movement of the Boers from the cape colony of 29 South Africa to the new found lands in the interior of South Africa.
- 30. Irrigation
- Cotton
- 32. Rwenzori was formed as a result of faulting (block) while Drankensburg was formed a result of vulcanicity
- 33. Secretariat
- 34. Introduction small scale industries in rural areas
- 3.5 Ethiopia
- 36. Either. Bringing back the lost friendship Or. Bringing back the lost friendship
- 37 Either. Holy communion/Holy Eucharist Or. Zakat
- 38. Etther. Talent Or Talent
- 39 Etther: African Traditional Religion Or African Traditional Region
- 40 Either: Joshua Or. Joshua

SECTION B

- a) Average weather conditions recorded for a long
 - b) Mediterranean Sea
 - c) Tropical
- a) Tembuzi
 - b) Kingdom was too large to be ruled by one ruler/death of their cow bihogo/invasion of the luo
 - c) introduced mwest game/introduced long horned cattle/ introduced new crops etc.
- a) Slave trade seiling and buying of human beings
 - b) Monetary trade trade using money
 - of Bartey trade exchange of goods to goods

- d) Long distance trade trade from the coast of
- a) (i) Q Strait of Gibralter (ii) T - Atlantic ocean
 - nin Z Indian ocean
- [3]
- a) Income , expenditure b) Surplus budget c) Taxes, donation, fines, tourism
- a) General counting of people in a country b) To plan for the people/to know the structure
 - c) It is costly /expensive/Easy for planning (Iemale and males)
 - d) Ministry of Finance planning and economic
- development a) Is the art of travelling to see new interesting
 - b) It generates income/it employs people
 - c) Poaching/poor roads/ insecurity etc
 - d) For accommodation
- a) Kenya, Tanzania
- b) Africans had weak weapons/Europeans were strong than Africans
 - c) Africans land was returned/Africans got independence
- a) Expansion of industries in an area
- b) Presence of capital/electricity/land/skilled labour/water /raw materials/machinery c) Minerals are found in remote areas/lack of machinery/lack of funds/lack of skilled labor
- a) Areas around great lakes of East Africa
 - b) Wanga Kingdom
- d) Royal drum/spear/throne/shield etc
- a) Religious marriage/civil/customary
 - b) To produce children/to be respected/have company/have sex
 - c) hardworking/respectful/faithful/good back ground/God fearing etc
- Either, a) Jesus
 - b) Disciples
 - c) Without Jesus you cannot reach God

 - Or. a) Believe in one God Allah and his prophet Mohammed/ Pray five times a day/offer zakat/pilgrimage to mecca/fasting
 - b) You become a true believer of Islamic religion. c) Zakat
- 53. Either, a) Genesis
 - b) Dust
 - c) To give man company
 - d) Man
 - Or. a) dust

 - b) Paradise
 - c) (i) Light (ii) man
 - a) Any bad act against God's will b) fighting/stealing/committing adultery/false accusation etc
 - c) death/punishment/imprisonment/shame/you are neglected etc
- 55. Etther. a) Bible, rosary, cross, holy water, holy
 - b) For identification/identity/strengthen ones faith Or. a) Kalidi, Cresecnt, Quran, star, moon
 - b) For healthy, strengthen one's faith

SECTION A (40marks) SOUNTENT	KAMPALA CAPITAL	TIT AUTHORIT	P.7 MATH MOCK MARKING GUIDE	COMMENT
Solutions 1.6 + 3 - 2 or 2 5 or 2 6 3 82 For 6	SECTION A (40mi	arks	12. First 30 words = sh, 20,000	
2. (PnQ)! 2. (PnQ)! B2 For correct shaded Venn	SOLUTIONS	COMMENT	Fatra words (45 - 30)	The Control of the Co
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2. (PnO)1 2. (PnO)1 2. (PnO)1 3. (81-11) * 7 M1 3. (81-11) * 7 M1 7. 6 * 7 10 A1 4. Two thousand twenty three. B2 5. 22, 43, 73, 12-7, 19-11, 30 A1 A1 For correct answer only. MI For correct method / working 7. **12 * 12 * 7 = 19 19 * 11 * 30 A1 A1 For M3 * A1 MI For correct method 2. 2 * 2 * 2 * 2 * 2 3. 3 * 2 m * 7 - 3 M1 2. 2 * 2 * 2 * 2 3. 3 * 2 m * 7 - 3 M1 2. 3 * 2 m * 2 A1 A1 For M3 * 2 MI For correct working 2. **100 M2 * 20 13.00 2. **100 M3 * 20 13.00 2. **100 M3 * 20 13.00 2. **100 M3 * 20 13.00 2. **100 M1 A1 2. **100 M2 * 20 13.00 2. **100 M3 * 2 M1 3. **100 M3 * 2 M1 4. Two thousand twenty three. B2 4. I For M3 * A1 4. I For Correct working 2. **100 M3 * A3 *		B2 For o	sh. 35000 B1	
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10 Al				A1 For 400cm2
4. Two thousand twenty three. B2 B2 For correct answer only. 5. 2-2, 4-7, 7-9, 12-7, 19-11, 30 A1 OR 2+2+4 OR 2+2+4 OR 3+3-7 M1 7+5-12 12+7-19 19+11-30 A1 A1 For 30 6. 3-2m < 7-3 M1 -2m > 4 -2 -2 m > -2A1 A1 For M>-2 m > -2A1 A1 For M>-2 m > -2A1 A1 For M>-2 To M1 To Working A1 For correct method D3	10 AI			
4. Two thousand twenty three. B2 A1 For correct answer only. 5. 2°, 4°, 7°, 12°, 19°11, 30 A1 OK 2+2°+4 4+3-7 M1 7+5-12 12+7-19 19+11-30 A1 A1 For 30 6. 3-2m<7 3-3-2m<7 3-3-2m<				
A. For thousand answer only. A. For 30			3k ² AI	
S. 2°, 4°, 7°, 12°, 19°11, 30 Al MI For correct method / working	4 Two thousand twenty three. B2			
OR 2 + 2 - 4 4 + 3 - 7 M1 working 7 + S - 12 12 + 7 - 19 19 + 11 + 30 A1 A1 For 30	4, 140 0104	answer only.		Al for 3k2
OR 2 + 2 - 4 4 + 3 - 7 M1 working 7 + S - 12 12 + 7 - 19 19 + 11 + 30 A1 A1 For 30		MI For correct	15 it No of subsets a 28 Characters	MI for working
A + 3 = 7 M1	5. 2-2, 4-3, 7-3, 12-7, 19-11, 30 A1		15. I) No. of subsets = 2- where h is no.	
7 + S = 12 12 + 7 = 19 12 + 7 = 19 12 + 7 = 19 13 + 11 = 30 A1 A1 For 30 6. 3 - 2m < 7 - 3 M1 2m > 4 -2 - 2 2m > -2 A1 A1 For M > -2 7. 0.65 M1 A1 20 J13.00 OR 20 J13.00 20:05 - 1.00		Annual Control and a service of the control of the		or naming
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19 + 11 = 30 AI				
6. 3 - 2m < 7 3 3 - 2m < 7 3 M1 For correct method 104			ii) Listing:{ }, (c,o,w), (c), (o), (w), (c,o)	Al for 8
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20 13.00 OR 20 13.00 2x6 - 12.00 O.65 1.00 OR 23 x 5 = 65 20 x 5 100 = 0.65 M1 For 5 + '8 A1 for 0.65 follow thru' 15 PC + '8 = '3 A1 M1 For 5 + '8 A1 For '3 M1 For 3 M1 For 3 M1 For 6 M2 For 6 M3 squares B2 For correct working A1 for 180 B2 For correct working A1 For 180 B2 For correct working A1 For 180 A	2 265 101 11	101.0		mediod
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1.00 2x0.5 - 1.00 2x0.7 - 1.00 2x0.5 - 1.00	2x6 - 12.00 0.65		18. B2	
DR 13 x 5 = 65 20 x 5 100 = 0.65 A1 for 0.65 follow thru' 15°C + '8 = '3 A1 M1 For '5 + '8 A1 For '3 No. 2 (6) 7 8 or 2 (6) 7 8 or 1 mill 11	1.00			P2 For correct
25% = 25 100 = 0.65 follow thru' 15PC + *8 = *3 A1 M1 For *5 + *8 A1 For *3 No. 2 (6) 7 8 or 2 (6) 7 8 A1 For *3 No. 2 (6) 7 8 or 2 (6) 7 8 A1 For *3 No. 2 (6) 7 8 or 2 (6) 7 8 A1 For *3 No. 2 (6) 7 8 or 2 (6) 7 8 A1 For *3 No. 2 (6) 7 8 or 2 (6) 7 8 A1 For *3 No. 2 (6) 7 8 or 2 (6) 7 8 A1 For *3 No. 2 (6) 7 8 or 2 (6) 7 8 A1 For *3 No. 2 (6) 7 8 or 2 (6) 7 8 A1 For *3 No. 2 (6) 7 8 or 2 (6) 7 8 A1 For *3 No. 2 (6) 7 8 or 2 (6) 7 8 A1 For *3 No. 2 (6) 7 8 or 2 (6) 7 8 A1 For *3 No. 2 (6) 7 8 or 2 (6) 7 8 A1 For *3 No. 2 (6) 7 8 or 2 (6) 7 8 No. 2 (6) 7 8 or 2 (6) 7 8 No. 2 (6) 7 8 or 2 (6) 7 8 No. 2 (6) 7 8 or 2 (6) 7 8 No. 2 (6) 7 8 or 2 (6) 7 8 No. 2 (6) 7 8 or 2 (6) 7 8 No. 2 (6) 7 8 or 2 (6) 7 8 No. 2 (6) 7 8 or 2 (6) 7 8 No. 2 (6) 7 8 or 2 (6) 7 8 No. 2 (6) 7 8 or 2 (6) 7 8 No. 2 (6) 7 8 or 2 (6) 7 8 No. 2 (6) 7 8 or 2 (6) 7 8 No. 2 (6) 7 8 or 2 (6) 7 8 No. 2 (6) 7 8 or 2 (6) 7 8 No. 2 (6) 7 8 or 2 (6) 7 8 No. 2 (6) 7 8 or 2 (6) 7 8 No. 2 (6) 7 8 or 2 (6) 7 8 No. 2 (6) 7 8 or 2 (6) 7 8 No. 2 (6) 7 8 or 2 (6) 7 No. 2 (6) 7 8 or 2 (6) 7 8 No. 2 (6) 7 8 or 2 (6) 7 No. 2 (6) 7 8 or 2 (6) 7 No. 2 (6) 7 8 or 2 (6) 7 No. 2 (6) 7 8 or 2 (6) 7 No. 2 (6) 7 8 or 2 (6) 7 No. 2 (6) 7 8 or 2 (6) 7 No. 2 (6) 7 0 or 2 (6) 7 No. 2 (6) 7 0 or 2 (6) 7 No. 2 (6) 7 0 or 2 (6) 7 No. 2 (7) 7 or 2 (7) 7 No. 2 (7) 7	2x0.5 - 1.00		1 12	Contract to the Property Contract Contr
20 x 5 100 = 0.65 follow thru' 15°C + '8 = '3 A1	OR 13 x 5 = 65	A1 for 0.65		
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1). Distance:			100
54km = 54 x 1000m - 54000m Time: 1hr = 3600sec MI For correct working AI For 15m/sec N 0000 B2 For 2800 Follow through b)(P+8)-8+8+26+3 = 70 P+8+29 = 70 P+37-37 = 70-37 P+37-37 = 70-37 B2 for the coor of a book 0 1 (2000 + k) 2 OR 1000+ k) 2 OR 1000+ k) 2 OR 1000+ k) 2 OR 1000+ k) 3 B1 For (P+8) B1 For 8 B1 For 26				
A book costs - sh. (2000 + k) B2 1			20. A pen costs - sh. (2000 + k)	B2 for the co
= 54000m Time: 1hr = 3600sec MI For correct working AI For 15m/sec AI B2 For 2800 Follow through A book costs - sh. (2000 + k) B2 1 (2000 + k) 2 OR 1000 + 1k 2 2 OR 1000 + 1k 2 2 OR 1000 + 1k 2 3 SECTION B 21. n (E) - 70 a) n(M)=(P+8) n(E) = 34 P + 8)-8 8 34-8 81 For (P+8) B1 For 26 B1 For 26 B1 For 26	A TOOOM			
Time: 1hr = 3600sec \$4696915m M1 \$2000			A book costs - sh (2000 - b) po	
## For correct working ### Al For 15m/sec Al ### B2 For 280° Follow through ### B1 For (P+8) ### B1 For 8 ### B1 For 26 ### B1 For 26 ### B1 For 26 ### B1 For 26			an (2000 + K) P5	The state of the s
## SECTION B 2500 SECTION B 21. n (E) = 70 a) N	Time: Thr = 3600sec		2	
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3609 sec AI For 15m/sec	5400018m M1			
15m/sec A1 A1 For 15m/sec 15m/sec 21, n (£) = 70 a) n(M)=(P+8) n(E) = 34 P+8)-8 8 8 34-8 B1 For (P+8) B1 For 26 b)(P+8)-8+8+26+3 = 70 P+8+29 = 70 P+37-37 = 70-37	3699 sec		grama	-
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P + 8 + 29 = 70 P + 37 - 37 = 70 - 37			N. C.	
A from B = 2800 P+37-37 = 70-37			DJ(P+8)=8+8+26+3 = 70	
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P	Atomo			
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			COMMENT
	COMMENT	SOLUTIONS	B1 For drawing
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= 000 = 33 + 8	D1 For 41	4	circle graph
- 41 BI	B2 For		
22. 24.009 × 2.4009 × 101B2	2.4009x101	100 CD 100 -	
a OR 2 4009 X 101		isd &	
24. 009 = 2.4009 X 101			B1 For 3.5cm
b. 1 Itwo		1 codes	B1 For Stocki
X 1 IIwo M1	MI for correct		
1 1 0two M1	multiplication	26. 1hr = 60min	
100 Itwo Al	Alfor Too	26. 1hr = 3 x 60 min	
-1 C1 E1 E0		= 90min B1	B1 For 90min
C. 120 lbs = 1 2 0 1		90min - 55min	BI For 35min
2x5x5 = 50mm	MIFor correct method	- 35min B1	
50ten = 5 50 0 5 10 0	metrica	The man waited for 35minutes.	
5 10 0		n golom	
Value = 200me	Al For 200me	b) D = 80km T = 40min	MI for correct
	B1 For 200	S = 80km + 40 hr	method
23a) 1 x 800 = 200children BI	children	(60)	
		80 ²⁰ x 60 40 = 120km/hr	A1 For 120km/h
800 - 200 = 600Adults	-17-100	40 = 120km/m	
2 x 600 = 400 women	B1 for 400 women	27a) \$ 1 —— Sh. 3600	
3	Women	? sh. 72000	
600 - 400 = 200men B1			YET P
		\$ 1 x 72000 2	MI For correct
5; = 120boys B1	B1 For 120 boys	36001	method
200 - 120 = 80virls B1	B1 For 80girls	= \$ 20 A1	A1 For = \$ 20
		b) 0.25kg shs. 1250	
b) 80 x 100%	B1 For 20%	2.5kg = 2.5 x 1250	
400 = 20% B1		0.25	M2 For the
24a) 4 - (-7) = *3	B1 Por -4	= 25 + 25 × 1250 M2	method
		10 100	Hicking
المرات ا		= 25 × 109 × 1250	
7/2	B1 For ++7	= sh. 12500 AI	AI For 12,500
/A			
+ 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		28.a) 1 ext < Sum of 2. opp. in	of an equation
12,2		<s -="" or="" versa<br="" vice="">k + 5° + 2k + 25° = 4k + 20° 1</s>	
1 1 1 1	BI For +3	3k + 30 = 4k + 200	like terms
अंग्रिकिति ।		3k - 4k = 20° - 30° MI	A1 For 100
		-k = -10°	
		-k -10° A1	
4 x 3 B2	B2 For correct		MI MI for correct
	statement	b) < RPT = (K+5°) + (2K + 25°) 1	
Total sensediture of anno		= (10° +5°) + (2x10° + = 15° + 450	(45-) annamination
5. Total expenditure: sh. 4500		= 150 + 450 = 600 A1	A1 For 600
sh. 7500			
+ sh. 6000		29a) (diameter) 4.4)	on_
sb. 18000 B1		C = rrd Toem	
		- 22 x 7010	
hange to degrees		71	B1 For 220cm
ocket money: 4500° x 350°		- 220cm B1	BI For 220ch
18000 × 90° B1	B1For 900	1km = 100,000cm	
		4.4km = 44 x 100,000cm	
		10	BI For
residast: 7509 x 360P		- 410 000 01	440,000cm
resklast <u>7899</u> x 369* 18690 × 180° BJ	B1For 1500	= 440,000cm B1	440,0000011
	B1Par 150°	1rev = 220cm	440,000em
19640 = 1500 81	BIFar 1500		ev BI For 2000r

			COMMENT
	COMMENT	SOLUTIONS	B1 For drawing
SOLUTIONS		1	an accurate circle graph
- (M) = 33 + B	BI For 41	1	custo Brahu
- 41 81	B2 For	4 =	
22. 24.009 = 2.4009 x 10 ¹ B2 OR copp y 101	2.4009×101	100000000000000000000000000000000000000	
a. 24. 009 = 2.4009 X 101	1	-	
b. 1 Itwo		1 / 200/	BI For 3.5cm
x 1 1two	MI for correct		
I Itwo MI	multiplication	26. 1hr = 60min	
1 1 Otwo Al	AlFor 1001sea	1% hr = 3 × 60 min	
0 0 52 50		= 90min B1	B1 For 90min
1201== 1 2 0 1		somin - 55min	B1 For 35min
L 2x5x5 = 50 _{km}	MIFor correct method	- 35min 131	
50sen = 5 50 0		The man waited for 35minutes.	
5 10 10		b) D = 80km	M1 for correct
Value = 200ses	AI For 200tes	T = 40min	method
23a) 1 x 800 = 200children B1	B1 For 200	S = 80km + 40 hr	
4	children	anzov 60	
800 - 200 × 600Adults		40 = 120km/hr	AI For 120km/h
2 x 600 × 400 women	B1 for 400		
3 × 800 × 300 × 300	women	27a) \$ 1 —— Sh. 3600	
600 - 400 = 200men B1		? sh. 72000	
		\$ 1 × 72000 2	M1 Por correct
a) 3 × 200*0 S ₁ × 120boys BI	B1 For 120boys	36001	method
	BI For 80girls	= \$ 20 A1	A1 For = \$ 20
200 - 120 - <u>80zirls</u> BI		b) 0.25kg shs. 1250	
0 × 100%	B1 For 20%	2.5kg = 2.5 x 1250	
400 = 20% B1		0.25	M2 For the
246) 4-(7)=73	B1 Por -4	= 25 + 25 × 1250 M2	method
7		10 100 = 25 x 109 x 1250	1
1 (1 1 1/2)		10 25 ₁	
1 1/4 7 /4	B1 For ++7	= sh. 12500 A1	AJ For 12,500
-1/4		28.a) 1 ext < Sum of 2. opp. in	MI for formation
=-1-1-1-1-1-1		<s -="" or="" td="" versa<="" vice=""><td>of an equation</td></s>	of an equation
12.4 .71	1	k + 50 + 2k + 250 = 4k + 200	MI MIlor collecting
1 41	B1 For +3	3k + 30 = 4k + 200	like terms
अवस्थित वर्षाति ।	1	3k-4k = 200 - 300 MI	A1 For 100
. , , , , , , , , ,		-k = -10°	
	82 For correct	-k -10° A1	
4 x 3 B2	statement	b) < RPT = (K+59) + (2K + 259)	The state of the s
		= (10° +5°) + (2x10° +	(259) aubatitution
5. Total expenditure: sh. 4500		× 150 + 450	A1 Pm 600
sh. 7500		- 60° A1	A1 For 60°
+ sb. 6000		[29a] (diameter) 4.4	Acm_
Commission and Commis		C - nd 70cm	
ab. 18000 B	3	- 22 x 7016	
lange to degrees	1	71	B1 For 220cm
cket money: 4500° x 360°		= 220cm BI	B1 For 220cm
14000 = 90° B1	BiFor 900	1km = 100,000cm	
		4.4km = 44 x 100,000cm	
cuidost <u>7896</u> x 360° 48666 × 150° 81	N-19- 15-00	10	BI For
	DIFOR 1500	= 440,000cm B1	440,000cm
nch <u>6660</u> x 364F		lrev = 220cm	
14000 = 120" 81	#1For 1200	440,000cm = 440,000 x lres	
	THE RESERVE OF THE PARTY OF THE	220 = 2000	THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.

SOLUTIONS	COMMENT	SOLUTIONS
b) 2(1 + b) = 34cm		SECTION A (40Marks)
20 + 4cm + y - 1cm) = 34cm M1. 2y + 8cm + 2y - 2cm = 34cm 4y + 6cm - 6cm = 34cm - 6cm 4y = 28cm 4 4	equation AI for 7cm Follow through	Each question 2mark
y = 7cm	the working	
$30a) = \frac{1}{2} \times \frac{3}{2} - \frac{3}{8} MI$ $= \frac{3}{4} - \frac{3}{8}$ $= \frac{6 - 3}{8}$	MI For correct working/ method	
-3 8 AI	A1 for 3 8	
b) (0.45 + 0.55) + (0.8 - 0.3) = 1.00 + 0.5	B1 for 1.00	
-1 * 5 1 10 -1 × 10 2	B1 for 0.5	
1 51	P. 6 - 0	
- 2 B1	BI for 2	
31a) 1litre = 1000cm ³ S ³ = Volume 3 S ³ = 3 1000cm ³ S = 2 11000	M1 For correct working	
2 500 2 250 5 125 5 25 5 5		
S = 2 ³ x 5 ³ = 2 x 5 = 2 x 5		
= 10cm A1	A1 for 10cm	
b) Total surface area (TSA) = 6S ² = 6 x 10 x 10 M1 = 600cm ³ A1	MI For correct method AI for 600cm ²	
32 + - 1 1 1 mm		
Scale: 1cm: 4meters 1cm x 246m = 6cm 4m 1cm x 328 = 8cm 4m		
The tax		
pl Lauren		

ENT

drawing

graph

3.5cm

min

min

rect

m/h

CCI

20

ion ing COMMENT

SECTION B (6

21 - 05

> > 30 - 05

31 - 04 32 - <u>05</u> Total 60