$48 \div 6 = 8$ 

449 = 600 + 40 + 9

= DCXLIX

= DC + XL + IX

6 11 + 31 = 3 + 13 = 3 x 4 = 6

0.30

906.38

 $= sh. 500 \times 32 = sh. 16,000$ 

4 2 4 2 13 13

0 8

-0

6 48

(WUX)1

4 -8 + -4 = -12

7 4 x 8 = 32 eggs

 $9 \times 10^2 = 900.00$ 

 $3 \times 10^{-1} =$ 

 $6 \times 10^0 = 6.00$ 

 $8 \times 10^{-2} + 0.08$ 

(4m - 1) - 1 (2m - 4)

4m - 1 - 2m + 4

4m - 2m - 1 + 4

+3 +3 +3

4 + 33 = ..... (finite 7)

= 5 rem 2

therfore 4 + 33 = 2 (finite 7)

3x = 36

15. 2y = 1100 (vertical opp <s)

3 x = 12

 $y = 55^{\circ}$ 

 $5^{2x} + 5 \times 5^2 + 5 = 5^4 + 5$ 

= 900 - 300

2 x = 1

100

= 1.34 tonnes

 $5^{2x} \times 5^2 = 5^4$ 

2x +2 = 4

900

 $p = 60^{\circ}$ 

2x+2-2=4-2

360°

- 120°

240°

4 × 3x + 1 x 4 = 10 x 4

= 3x + 4 - 4 = 40 - 4

= 3x + 4 = 40

17. P + 30°

+ 600

5 = D+ T

1m = (1/1000)km

1 sec = (1/3600)hr

 $= 20 km \times 3600$ 

 $m + 3m = 180^{\circ}$ 

 $n(\Sigma)=49$ 

n(P)

 $4m = 180^{\circ}$ 

n+12+30=49

1000

= 20 km + (1)hr

n Let that angle be m

240°

1 tonne = 1000 kg

1 kg = 1/1000 tonnes

1000

 $1340 \text{ kg} = 1 \times 1340 \text{ kg} = 134$ 

4 sec = 20m/sec

3600

 $m = 45^{\circ}$ 

12 (n+7) 30-(n+7)

1 hr = 2km x 36 = 72km/hr

n(C) = 30

100kg = 1 tonne

 $p + 30^{\circ} - 30^{\circ}$ 

 $= 16 \times 19 = 304$ 

2m + 3

4m - 1 - 1 x 2m - - 1 x 4

1 US dollar = Ug sh. 3650

11 1 , 4 , 7 , 10 , 13 , 16 , 19

= Ug sh. 456,250

- L It leads to athlete's foot 2. The gullet
- 3. To promote tourism industry to enable living things to regulate themselves in the environment / to prevent extinction of animals
- 4. They develop into leaves, branches and fruits they sprout into a seedling when planted
- 5. By proper disposal of human wastes in the home by eating well cooked meat/ by wearing sandals when walking in dirty
- 6. The experiment shows that water is a poor conductor of heat.
- 7. It prevents the ice from floating on water. It makes the ice to remain at the bottom of the test tube
- 8. To prevent the sheep from feeling so
- 9. It enables us to produce alcohol by distillation/ it helps in rain formation/ it enables us to dry our clothes after washing / it enables us to preserve food by sundrying.
- 10. Dehydration
- 11. It helps to separate solid residues or impurities from water.
- 12. It enables the parents to have the children they can take care of/ it promotes love in the family/ it enables the parents to provide enough basic needs for the family.
- 13. By adding manure
- 14. Sweetness of the drug too much pain/ desire to cure quickly
- 15. It changes the direction of the force applied on it to overcome the load.
- 16. To look for food to escape or run away from enemies to look for their
- young ones/ to look for their mates 17. Warmth/oxygen/moisture/substrate or food
- 18. Epidermis
- 19. It lets out sweat from the sweat glands to the sweat pores
- 20. By spraying with insecticides
- 21. It keeps the floor dry and soft
- 22. It leads to breaking of electric wires during a cold day.
- 23 It prevents the spread of respiratory communicable diseases.
- 24. It leads to deforestation for wood fuel/ it leads to pollution of air at home
- 25. Friction force
- 26. To prevent reinfecting the sexual partner who has received treatment
- 27. Reduction in milk production/ swollen udder/limping due to wounds and swelling on hooves diarrhoea with blood stains blood stains in milk
- 28. To keep water in the soil
- 29 Polarisation
- 31. It has webs that enable it to paddle in water when swimming
- 32. By singing with human voices/by playing it with a piano or keyboard 33. The stamen and pistil mature at dif-
- ferent times. 34 Decantation does not kill germs in water/decanted water has living germs
- that cause diseases
- 35. Rhizobia or nitrogen fixing bacteria putrefying bacteria/ anaerobes
- 36. a) It spreads from one sick person to a health one it is caused by germs
- b) Prolonged diarrhoea prolonged vomit-
- ing/general body weakness and eventual collapse of the patient/dehydration. c) To prevent infecting other people easily
- 37. a) Northern direction
- b) A freely suspended magnet rests in the north to south direction
- c) A freely suspended magnet rests in
- the north to south direction. d) the magnetic domains get disorganised due to constant expansion and movement of domains when heated.

# ANSWERS TO PASS PLE ISSUE 41 (SEPTEMBER 21ST 2023)

## Integrated Science

quently than cattle goats cost less by looking into the needs of the which enables the farmer to stock students at school/ by keeping easily as compared to stocking the students busy at school all the time b) Mohair/ meat/ skins/ milk

38 a) Goats produce more fre-

cattle.

digestion

40 a) Arson

chemicals eg chlorine

of animals and people

registration

permission

after, afraid

should

5 neither

b) It leads to destruction of mate-

rials or property/ it leads to death

e) By giving guidance and counsel-

ling to the students/ by expelling

wrong doers/ by praising well

behaved children and punishing

wrong characters in the school/

needn't/will/must/would/

4 has

a. apologetic

10 truly 11 been

Pages/post

6 continuously

3 had

12 edition 13 malicious

14 comfortably 15. knives

is affection, affectionate,

18. The ladies' bags have been

19. The heads of state arrived

20 Our book shelves contain a

24 The criminal was beaten

25 All the applicants for the

post of the sales manager have

26 Ichuli was buried six months

27. He was the best player this

meetings organising meetings/

a) a gun/ bow and arrow/ panga/

windy

District Health Officer/ DHO

g) they castrate animals/ vaccinat-

It has many means/ it provides

door to door services/ it is cheap

it is built using weak materials/

Religious holidays/ school holi-

He led DRC to independence

Insecurity hinders trade/

in a country/ insecurity hinders

insecurity does not promote trade

tas UNICEF has funded immunisa-

tion programs for children, it has

built schools, it has provided safe

water to children in schools, it has

schools/ it has provided scholastic

provided furniture to children in

materials to children in schools

Germany East Africa Company

days/ public/ national holidays

it is built using materials that are

political parties united people to

grass/ hard palm leaves

conferences/ through media

fight for independence

ing animals/dehorning

not long lasting

tourism.

(3) Cotton/ sugarcane

food/shelter/

17 insomnia, subordinate.

register, registration

cleaned by the cobbler.

safely in Johannesburg.

number of readers.

22 Please reply

script/ post paid

mercilessly.

been qualified.

He had/ He would.

- 41, a) Frustrations/ idleness/ c) They damage the skin of the boredom/ peer influence/ poor animal/ they spread some diseases family background/ poor social to the animals. environment.
- 39 a) It is colourless, it is odourb) Self esteem/ self awareness/ less/ it is tasteless/ it boils at 100°C and freezes at 0°C assertiveness/ decision making/
- effective communication. 1) It dissolves mineral salts in the 42 a) Both reproduce by laying body/ it softens food for easy eggs/ both undergo internal fertilisation. c) By boiling/ by treating it with
  - b) They lay their eggs in sand which provides warmth for their eggs to hatch.
  - They provide skins used for making different crafts/ they act as tourist attraction/ they are eaten as food.
  - 43 a) Skull----- Fixed joint 6) Ligament----- Bone to bone connection

28. How much does a farmer earn

29 May I know the shallowness

30. She ran more slowly than her

31 Joan's sister said that she

had been writing a letter that

33. No sooner had the sun risen

34. If I had been the police of-

ficer, I would have forgiven the

15 It was such hot tea that we

36 I was filled with joy having

37 Sara eats neither chips nor

38 Kato was successful in

alphabetical order.

elephants

diamond

and Asia

on hijja

Martyrs

OR: Moslems

linear scale

for identification

they take long to mature

to supervise/ monitor edu-

cation programmes in schools/

to ensure that schools provide

conducive environment for the

tion of schools in a district

and mother and leave longer

271 Either Martyrs

29) Elther Christians

301 Either Ishmael

OR: Ismail/Ismael

31m Cape colony

land to the boers.

learners supervises the sanita-

281 Either respect your father

Either: to be counted / for

the Dutch The Great Trek

it led to discovery of Gold

and diamond/ new states were

formed/ the natives lost their

He wrote reports about the

evils of slave trade in Africa/

228 Dr. David Livingstone

population census @ Mecca

arranging the given words in

39 Layla as well as Lihana, is an

40 She is not only a teacher but

41 a) The writer is talking to his

Social

morning, 32. aren't I)

than the little girl woke up.

from his rabbit project?

of your pit latrine, please?

half-brother.

taxi driver.

seen him.

sausages.

honest girl.

also a lawyer.

couldn't take it.

- Synovial fluid----- Lubricant 1 Vertebrae ---- Irregular
- 44 a) Weather is the condition of the atmosphere at a given time and place.
- b) Sunshine / cloud cover/ wind temperature/rainfall. Rainfall
- 45 a) They are eaten as food/ they are used for feeding animals/ they are used for decoration/ they are used as herbal medicine
- B) They are supplied with numerous veins that supply water in all parts of the leaf / it has a large lamina that increases the surface area for photosynthesis/ they have numerous numbers of stomata that enable it to receive enough carbon dioxide to form glucose
- in the lamina or leaf blade

- 1) It enables plants to get food or to feed.
- 46 d) Sound can be reflected
- b) Whales 47 (3) It enables the body to get
- energy. 1) The lungs () Choking
- d) Smoking tobacco/ staying in dusty places/ staying in con-
- 48 d) Trypanosoma

gested places

- b) Fresh water snail Chlamydia trachomatis
- Onchocerciasis or River blindness
- 49 a) This is the growing of trees alongside crops in the same piece of land.
- This is the planting of trees and crops in the same piece of land in the same season.
- b) The trees help in controlling soil erosion in the garden/ trees drop their leaves that decay to for manure in the soil.

### English

- fellow candidates. b) They have been preparing for
- PLE this time. c) I think they have been preparing for PLE.
- d) They need to consult their teachers much more as they wait to reap what they sowed.
- e) The group leaders can help the other group members to understand the concepts more.
- 1) They have to honour and respect God in faith and sincerity to get wisdom from God.
- a) They should thank their parents for all the provisions they have given them. h) Besides parents, they also
- have to appreciate the teachers. i) The teachers have not spared anything when teaching us.
- IN THE LONG AWAITED TIME! PRIMARY LEAVING EXAMINA-TION
- 42 a) The information is about Rise Up Vocational Institute, the courses, duration and fees for each course
- b) The above mentioned institute

He invited trade companies to

poor tranport harsh

climate/ weather/ tropical

tribes/language difficulty

formation of Africans into

The French colonialists

they wanted to promote

French culture they wanted

ism/ they wanted to rule areas

motes national unity/ promotes

trade/ makes communication

speak different languages

hygrometer\_ humidity

a family

family

anemometer \_\_ speed of wind

nuclear family/extended

force/ One gets to know other

there is enough labour

to promote French national-

a national language pro-

diseases/ attacks from wild

animals, attacks from hostile.

agai This was the total trans-

Studies

end slave trade

French culture.

permanently

- is found in Bulisa on Kitwe Road. Seven courses are shown on the table.
- d) Baking and fashion and design are the shortest courses shown on the table. e) Two students taking hair
- dressing can pay six hundred twenty thousand shillings. f) Kaiso the school secretary did computer studies.
- a) Motor vehicle repair requires a student to pay five hundred ten thousand shillings.
- h) If you want to learn how to make cakes, you can offer baking. Computer science takes much
- more time than others. 43. a) Good afternoon John. b) I have not been attending school for two weeks because I
- have been sick. c) I have been suffering from Malaria. d) I was treated from
- Mild Care International Hospital, I was given three injections
- (any number is ok) 1 I don't think I will come to
- school tomorrow.

### relatives/ there is less boredom River Semliki Hippos

- mark correctly Bagisu/ Bamasaba
- Ba) Either a Baptism white cloth/ lit candle/ holy
- water/anointing oil to show an example to other
- people on Shahadat Quran Crescent (moon and star) to promote order
- He wanted to confuse his enemies he wanted his disciples to understand his messages better
- in to be prepared for the kingdom of God/ always to be prepared to forgive to ask for forgiveness/ not to be greedy
- to strengthen their faith in God/ to get blessings/ to get titles of Haji and Hajjat
- HI Uganda has many tribes that Hija Hija m Miraj A creed is a set of religious Uganda was colonised by Britain beliefs
- barometer \_\_ air pressure Apostles' Creed/Nicene Creed belief in one God/ belief in Holy wind vane \_\_ direction of wind books/ belief in judgement day/ belief in Angels/ belief in prophets/ These the teachings or prac
  - tices of Prophet Mohammad belief in one Allah/ belief in prophets/belief in holy books/belief in Judgement day/ belief in Angels/

# Mathematics

- n + 42 = 49n + 42 - 42 = 49 - 42 n = 730 - (n + 7) = 30 - (5 + 7) = 30 - 12 = 18 18 quests took only pepsi n+7 = 5+7 = 1222 a) x + x + 1 + 9 + 8 + 7 + 5 + 4 = 15
- $2x + 34 = 15 = 6 \times 2x + 34 = 15 \times 6$ 2x + 34 = 90
- 2x + 34 34 = 90 34
- b) Total of two boys = 80kg Total of yje three boys = 126kg 126kg - 80 kg = 46 kg
- The mass of the 3rd boy is 46kg b) (24 x 36) + (48 x 72)
- = 24 x 36 x 100 x 100 100 48 125 US dollar = Ug sh. 3650 x 125  $=1 \times 1 \times 1 \times 1 = 1$ 
  - 24 1 cm = 480,000  $2.5 \text{cm} = 2.5 \times 480,000$ 
    - 6) 60 minutes = 1 hr
    - 60 min
  - D= SXT = 60km/hr x 1 1/2hr
  - $= 60 \text{km} \times 3$ 2 = 30km x 3 = 90km
  - = 900 Clothing = 1 x 3600
  - = 120° Fees = 1 x 360° = 600
    - saves Food fees
  - 10 will repr sh. 48,000
  - 3600 will repr sh. 48,000 x 360
  - 7cm 7cm 5cm
  - =4x2x2=16H = 10cm 5cm
  - Vol of the box = 30cm x 20cm x 10cm = 6,000cm<sup>3</sup>
  - = 22 x 1cm x 1cm x 7cm x 5cm
  - = 11 x 1cm x 7cm x 5cm
  - = 77cm2 x 5cm
  - Vol all cylinders =  $16 \times 77 \text{cm}^2 \times 5 \text{cm}$
  - = 8 x 77cm<sup>2</sup> x 5cm = 3080cm<sup>3</sup> Vol of space left:
  - 27.b) D=22 x2x4cm)+20cm +(20-14)cm
  - = 22cm + 40cm = 62cm

- 12 guests took both pepsi and coco cola

- $\frac{2x}{2} = \frac{56}{2}$ 2 x = 28
- 23 (2 x 4) + (3) = 2 x 4 x 4 = 16 3 5 4 3 5 3 45
- - 1 minute = 1/60 hour
  - = 13/ hours = 11/2 hours
- 25 Food = 1 x 3600

- Savings
- clothing

- 36 30cm x 20cm x 10cm

- $6000 \text{cm}^3 3080 \text{cm}^3 = 2920 \text{cm}^3$
- = 1 x 22 x 4cm) + 40cm
- 126cm2

- 100 100 100
- 4 OR 0.25 1x1x2x2
  - $= 25 \times 480,000$ = 1,200,000
  - 90 minutes = 1 x 90 min = 9

- = 900
- 900 repr sh. 48,000
- = sh. 192,000
- Vol of 1 cylinder = 22 x 7 cm x 7 cm x 5 cm