General Science and Ability Mock-1' May-24

Insufficient length Add more headings DECTION-T Draw diagrams

Work on math portion

QUESTION-2

Differentiate Environment

Climate is the overall environment in the worldie on planet earth

It covers the whole of the planet ourth

Example

Climate of hearth getting noter dayby day and glaciers are melting due to this.

Environment is the hot and cold that you around upurself

It ranges from small areas like your room to the area which gou can feel around.

Example

The environment my from or house is cool as I am in Kashmir.

Causes of Air Pollution in Pakiston

Def: Air pollution is caused by sources which are released in the gir.

Couses:

• Traffic of cars, buses, bikes and other modes of transport running on a combustion fuel like petrol, diesel etc.

· Homs of traffic also contribute to the

air polleition in Patritan

• Thermal power plants using combustion fuel i-e non-renewable fuels.

· Factories releasing untreated furnes/smokes

in the air.

· Burning of huge dumps of trash.

Brick kilns are also the main contributors of air pollution.

Loudspeakers and speakers used in public events are also one of the causes of au pollution.

(b) Note on Vitamins What are vitamins Vitamins are those substances which are required by human body in Small quantities over experied of fine. el lypes, resources and Uses. Types There are multiple types of vitamins and each one is required and responsible for a specific purpose. hollowing are the types of vitamins Resources Luses · VitaminA It is very good for eyesight/discous It is found in carrole · Vitamin C It is very good for skin and is found in citros quits like Jernon, granges. Vitamip D It is found in fruits and milk. It is expential for keeping our bones strong bund avoiding any kind of Fracture

Vitamin K: It is required by our body in Very small quantity and is found in vegetables like brinjal. Role in Human body They perform multiple roles in human body, They regulate minerals bother bublances in your body. They prevent sye diseases They make your bones strong such as vitamin obtained from particard Sun. They maintain tertility in your body.
They are good for your skin and Vitamiens are such ones that are required in small quantities but are essential for proper growth.

(c) Compare COP-27 and COP-28 on Climate change

COP-27 and COP-28 are the cooperation meetings of many members nations of to address the ourrent the world Climate change. Their goal is to reduce the emissions and pollution and they give torget to parlicipating polions to reduce their

Brong year this conference takes place

Qno.5 Covalent bond Lonic Bond Covalentonds are formed lonic bonds by showing of electrons formed by transfer by two atoms what of electrons by ions they become stable by to each other joinent By transfer of electrons The electrons are shared the rons complete by them in this way both theirself. have their cycles completed Examples and become stable Nat Cit, Mgt Cit Examples O, HO (C) Gamma Rays: They are used to reduce and diminish the tumors, in the treatment of Career They are used in nyclear power startens and nuclear facilities to produce heat and energy

* They have their uses in hospitals.
They are used to perform y-ray maging of patients by machines.
They are used in treating tumors.

Radio Woves

Radio waves are used in radio transmissions for transfering signals from radio station to listerness.

They are used in mobile networks. They are used in televisions channels

(d) Tides

Tides are the rising in the sea of water due to attraction by the Sun and the moon causing changes in the wavelengths of sea. This results in a pull pressure by the Sun and the moon forming tidal waves.

Note on LED · LED stands for light-emitting-diode. • Its used as a substance to generale Light by using electricity. · It is used in bulbs and tubelights to lit our homes. · It is used in screens to make LED screens which are used as televisions screens and computer screens. · LEDs have begome wery popular nowadays as they are energy · They are brighter than their alternatives gs well · They are also of higher quality.

Cyclones

<u>Formation</u>

· Cyclones are Jormed due to changes in the pressures of air and when it becomes wind. As wind has a higher speed. When this pressure increases continously and winds in the Some direction combine and become trose they become Cycloson. Those winds become so powerful that they can through away g deep vooted tree, a dar or even a house from its base and these heavy Objects start Typing joinside cydone · Currently these fare formed due to climate changes. They are also formed due to the volcanic eruption gend wild fires in forests.

Qno.7

1.06

9

$$X \times 3 = \frac{3}{2} \times X$$

$$5x - 3x = 25x - 9x$$
 3.5

$$= 16x$$

in the calculation.

(P)

Given: Ratio of chocolates to ice crown cones in a box is = 8:8 -> ice-cream cones.

Chicolates

No. of Chocolates = 30

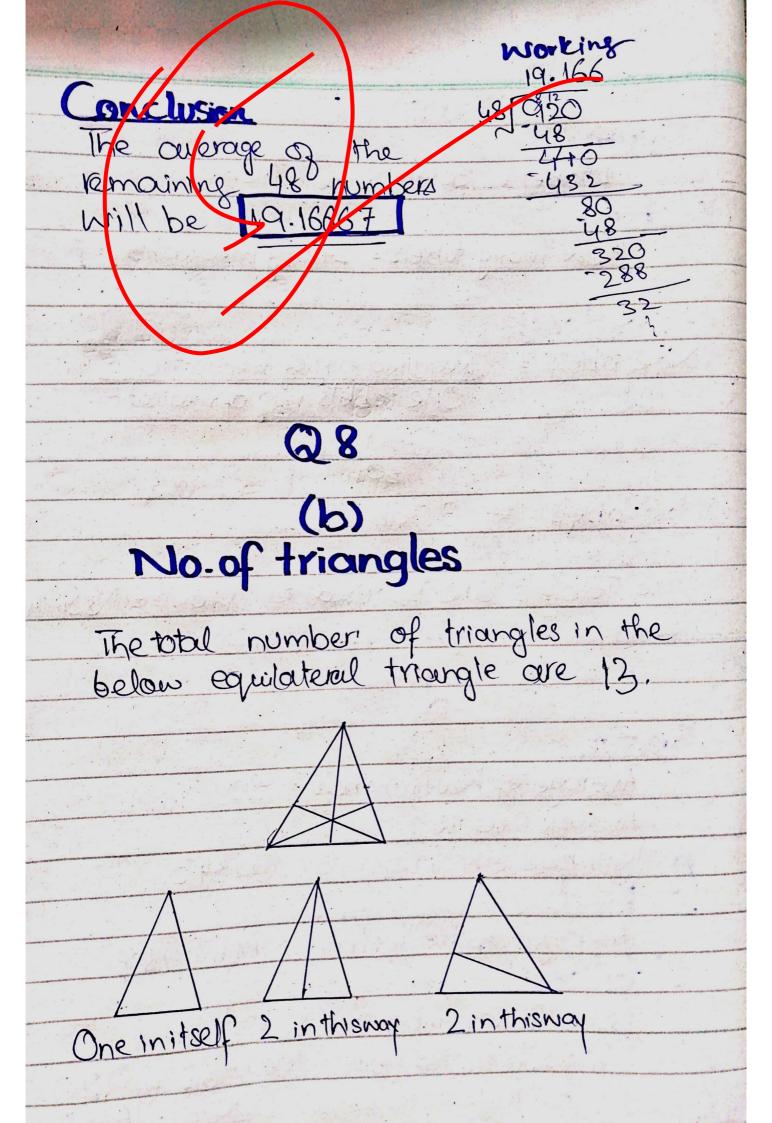
To find:

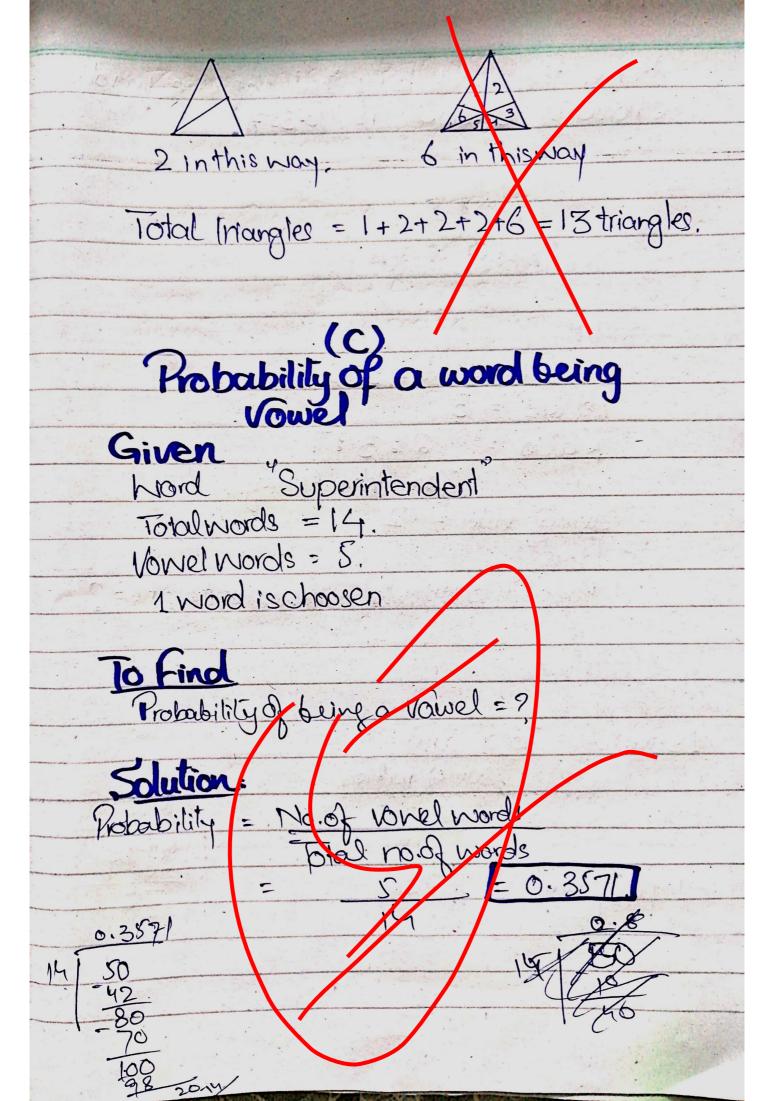
ce-cream comes = ?

Solution

48 legereans cones are there

and the second of the second o
Given:
1 Tablet = 30mg medication
How many tablets = 240 mg medications =?
Solutions: No. 2 tablets = Required mg of medication One tablets mg of medication
No. 2 tablets = Required mg of medication One tablets mg of medication
= 240mg
301
No.8 Tablets = 8 Tablets.
& Tablets ove required to provide M&Smit with 240mg of medication.
with 200mg of wheat cause.
Average of how many no. 8 = 50
Alloyada Malle = 2
Numbers discarded = 37 and 43.
To Find
Average of the remaining numbers=?
Califor :
Sum of so numbers = sox 20 = 1000
Sum of so numbers = $50 \times 20 = 1000$ less discared no. $s = 1000 - 80 = 920$
Average of remaining = $\frac{920}{48}$ = 19.16667





Hence, the probability that the one word choosen's avowed is 0.3571

(d) Distribute

Given

Amount = Rs. 4320.

Persons = 3

Ratio = 2:3:7

Zain Aslam Ashraf

Suma ratios = 12.

To Find

Amount distributed with respect to ratio =?

Solution

1 share = Total amount sum of ratios

= 4320

12

1 partof store = 370

12 4328 72 72 72 0

Zain's Share = 370 x2 Aslam's Share 370x3 Ashraj's Shoure = 370x7 Above are 2001, Asbam and Ashraf's with respect to their partilled the amount given. (a) tormula of 12 Intelligence Quotient factors Affecting 10 Zactors which effect Following are the speed of lattempting Its also effected by the environment Gird the surrounding in which