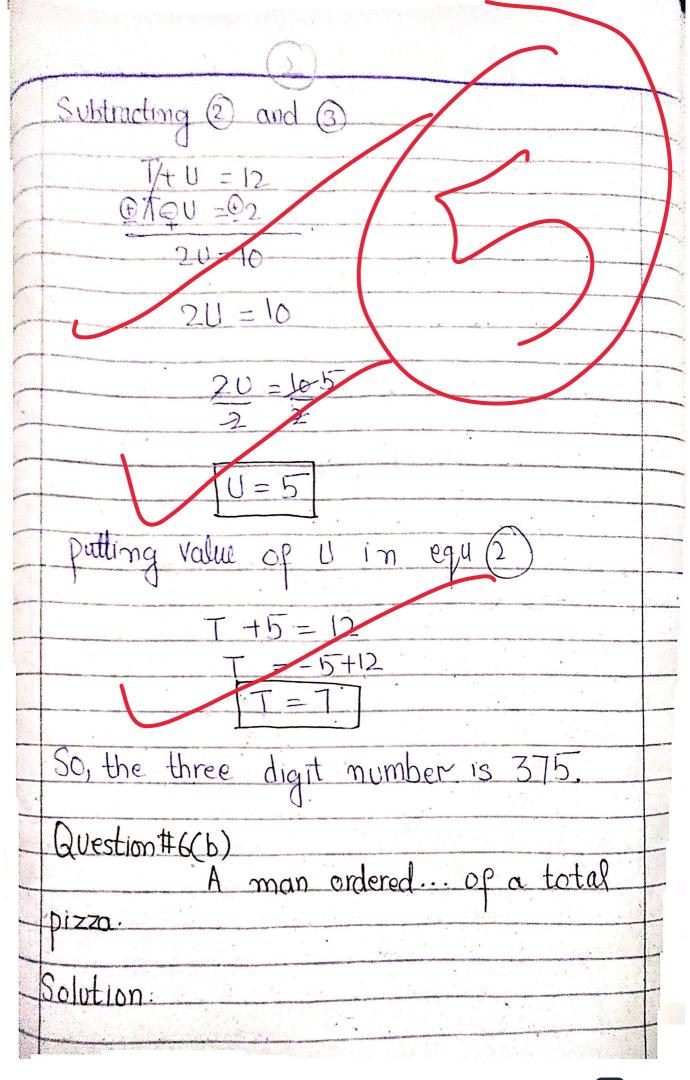
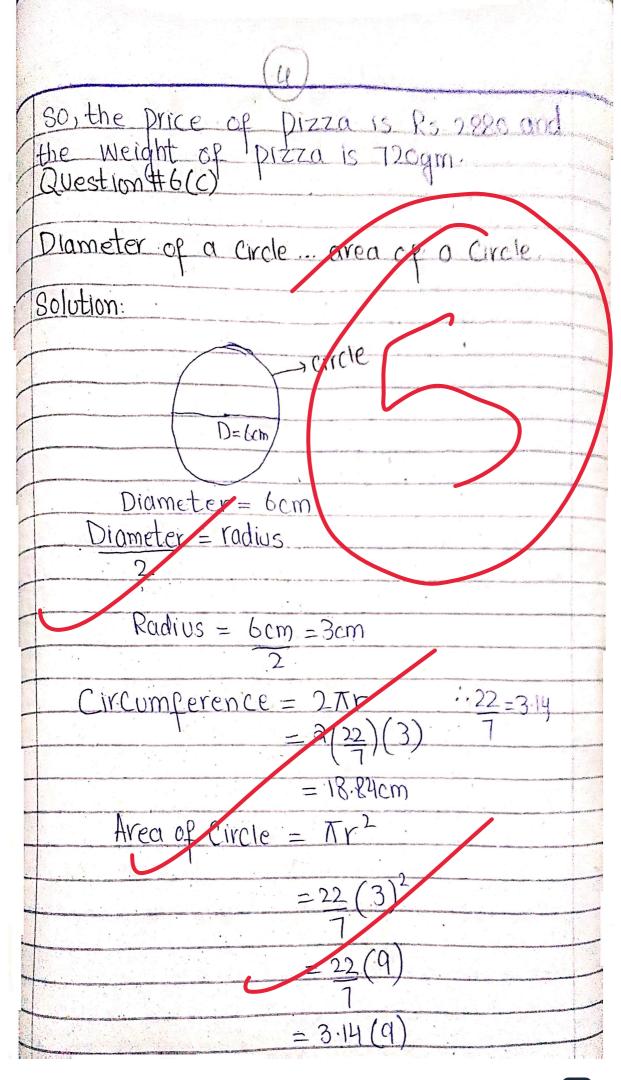
Question#6(a) Sum of the 3-digit number. digit number? Solution: Given Sum of the 3-digit number = 15. Sum of 10th and Unit digit = 12 Difference of unit digit from loth digit = 2 tind three digit number = ? Sum of the 3-digit number = H+T+U=15 H+T+U=15-Sum of loth and unit digit = T+U=12 Difference of the unit digit from loth in. 12 = 15 = -12 + 15



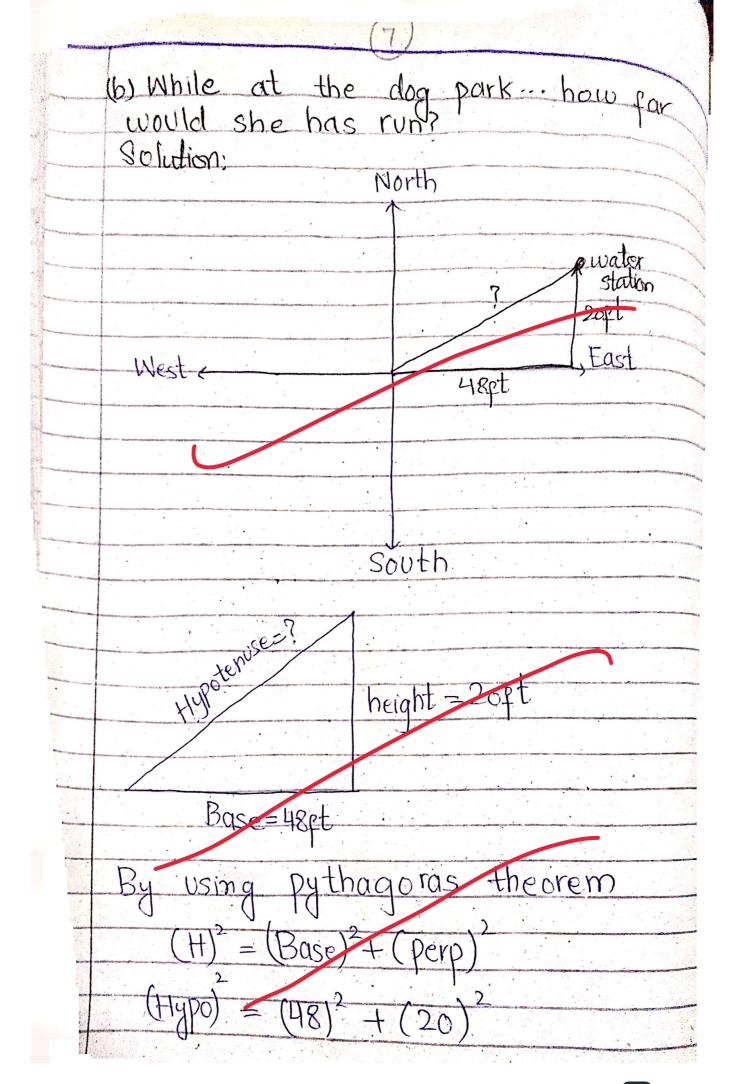
Given Ratio of the sliges = 2:13:14 Total Slices = 2+3+4 Total Slices Small, medium and large Sizes pizza for 18 person per feson Slice = 1 The Slices require for 18 person = 18 The small, medium and large pizza

quantity = 2 each pizza size Total Slices = 2 (9) = 18 slices Weight of each Slice = 40gm Weight of 18 Slices = 40gm x18 Weight of 18 Slices Smaller pizza price = 320 Smaller Pizza Contain 2 Slices = 18320 Price of 1 Slice = 168 rupees Price of 18 Slices = Rs. 160x18 = Rs. 2880



= 28.26cm² The Circumference of Circle is 18.84cm and the area is 28.26cm2. (d) Question #6(d) Identify the missing 13,24,46,90,178, Solution: 13,24,46,90,178,354 let n=13 we obtain next number n = (n-1)2 = (13-1)2-24 We obtain n2=(n-1)2=(24-1)2=46 We obtain 23=(n2-1)2=(46-1)2=90  $m_4 = (n_3 - 1)2 = (90 - 1)2 = 178$  $M_5 = (n_4 - 1)2 = (178 - 1)2 = 354$ So the required number is (ii) 5, 6, 9, 14, 21, 30 Solution: we can obtain this number by Adding Odd digit number from the given Jerie. let n=5  $m_1 = m + 1 = 5 + 1 = 6$ M2=M+3=613=9

my = my + b = 9+5 = 14  $m_4 - m_3 + 7 = 14 + 7 = 21$   $m_5 = m_4 + 9 = 21 + 9 = 30$ So the required number is 30. Question#8 casthe width of a rectangular room is ... rooms dimensione Solution: The Length of classroom = 15 feet Width is 60% of its length = 3 Width of a classroom Length = 15ft Width = 9ft So the room dimension is 2D with length is feel and width is afect respectively.



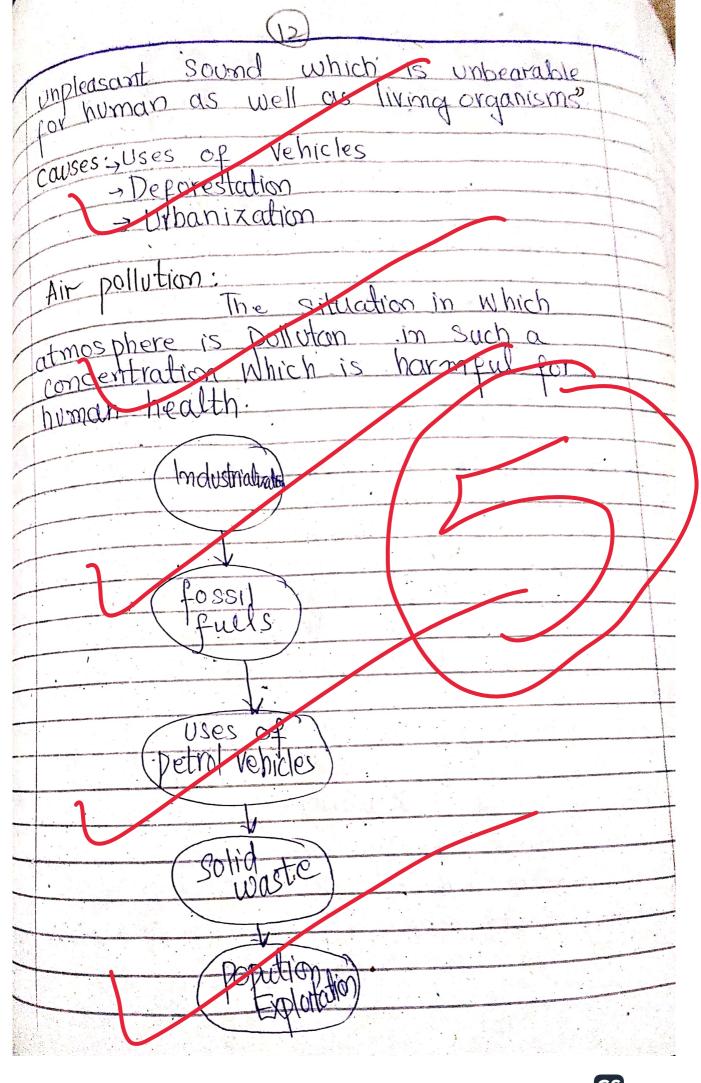
(HYPO) = 2304+400 (HYPO)  $=\sqrt{2}^{2}\times2^{2}\times13^{3}$ Hypotenuse = 4x13 Hypotenuse = 52 peet IF veena go run straight from the starting alma class, the average marks of 40 of the class. Solution: Average marks of 407students = 52.15 Average mark of: = 52.15-49+85 137.15-49 Average mark after Correction Average mark of 40 students after

vegetable pizza and (d) 37 people like erson. Chicken Pizzai Probability = ocquirence of required outcome Total number op Probability of Chicken pizz lotal number of out comes = 37+25+3 Probability of Chicken pizza = Probability of Chicken pizza = probability of Chicken DIZZa vestion#3 xplain and draw the structure of the Son. It is a hot glowing ball of gases consist of Hydrogen and Helium. I

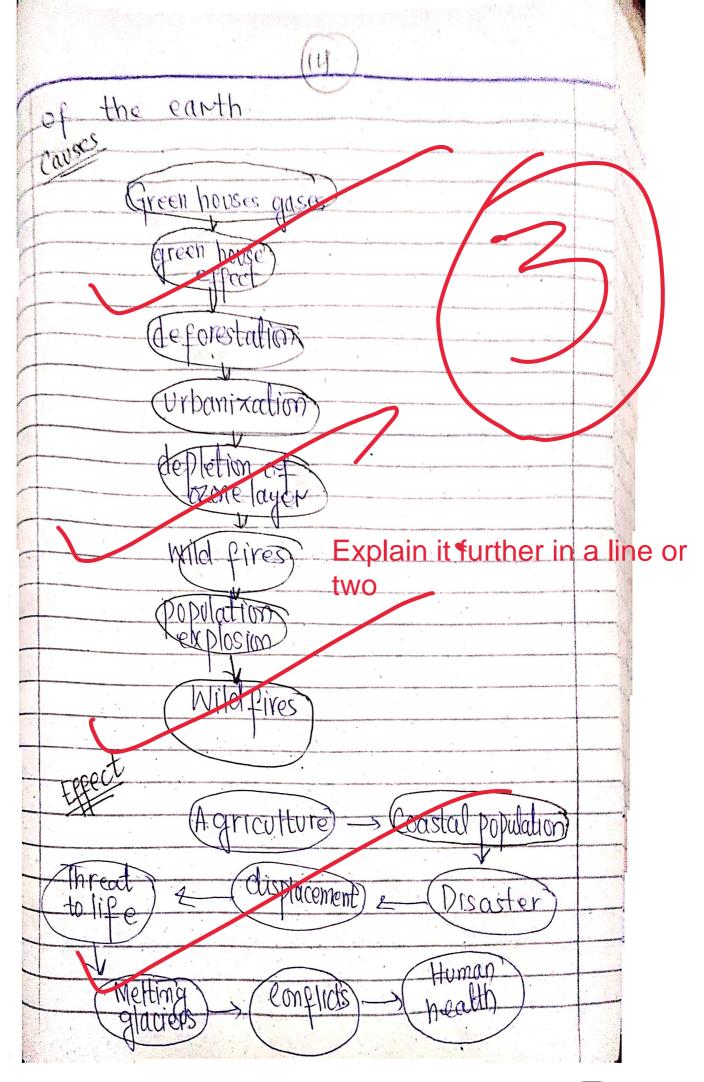
located at the Centre of Current System and age of Tribullion Gases Percentage 13.446 Helivm Sup is the main source of energy for all living organisms It is estimated that the remaining age of Sun is 5.5 billion years and after 155 billion years and after 155 billion years that vanishes the sun consists of Six main lawer. Radiative zone Convection Radiative core Corp photosphere >Chromosphere Corona he core is the the innermost keyer in the sun and release radiation in the

Photops and gamma rays the layer is radialise onvection. Zone and then Convection.

Convection is the cuternation of thromosophere of son and chromosphere Immer In the Corona Coron also visible on the earth in plasma. (C) Discuss Environmental pollution. What could be its harmful effect Give a few measures to curbit Environmental pollution: The Contamination of Components in the Environment Which is harmful to human health and living organisms is called environ Give many types of are enumerated Air pollution Noise Pollution iii) land Pollution w) Water pollution Noise pollution is the main type/kind of pollution According to WHO any unwanted and



Measure or mitigation Uses of electric vehicle instead Petrolor diesel vehicles Uses air repiner in industry the pollution Uses renewable form instead Solar energy Rapid urbanization proces 1 are also responsible entironmental ollution reduced Dlanat cities Awareness about eangerous pollution through electronic Drint meetid Question#5(b) What is global warming? Global Warming: It gradual and aiverage increase emperature



Kyoto protocol:

Signed blw different Countries

signed blw different Countries

my 1952 to control the level

of Green House gases and

then failed later.

Explain complex concepts in simple terms.

Use real-life examples.

Include diagrams and flowcharts for competitive edge.

Discuss practical applications of scientific concepts.

Show all steps and working for calculations.

Use diagrams and graphs

