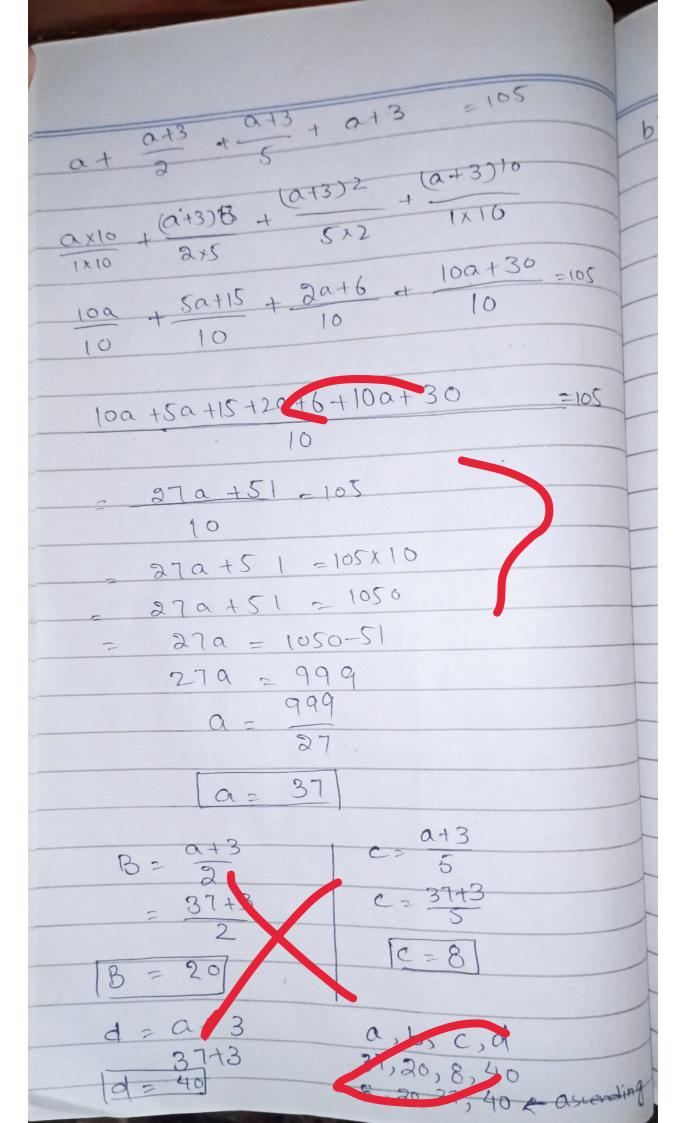
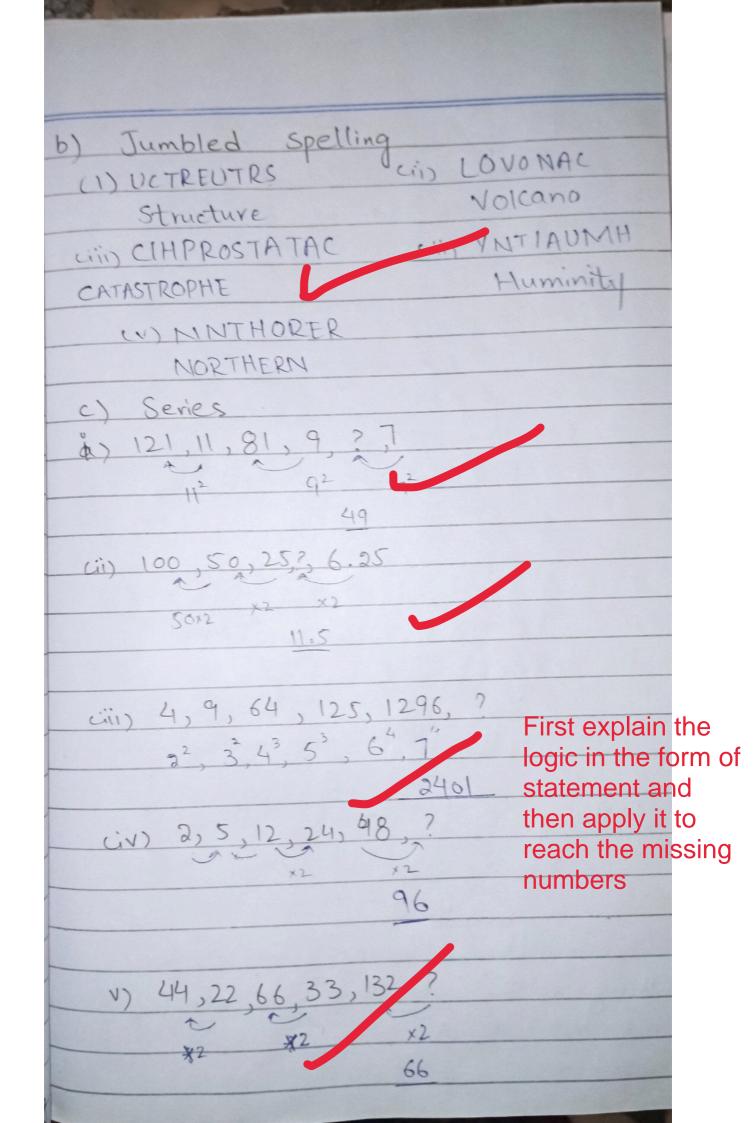
CSS: 2024 Q6 as If the sum of four numbers is 105. When 03 is added to a number, twice to another number fire times of third number and fourth number becomes equal to each other. What are these number in ascending order? Sol :-Sum of four numbers = 105 Let numbers are a + b, c, d if as is added to a number = a+3 twice of another = 26 fire times of third number = 50 . Fourth number becomes equal to each other a+3 = 2b = 5c = 8 a+3=2b =) a+3=5c a+3 = 0 a+b+c+d = 105

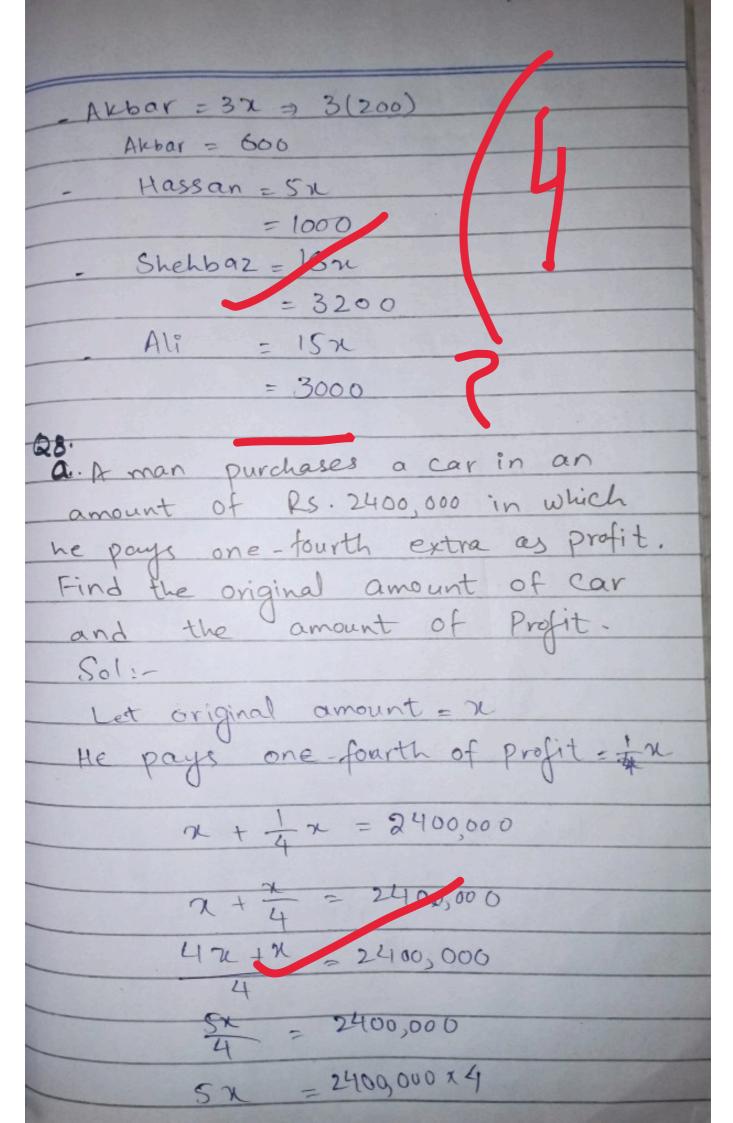




d) If the Sum of three digit is 15 and sum of 10th and unit digit is 12. The difference of unit digit from 10th digit to 02. What is the digit number. Solz-Sum of three Three digit a+b+c =15 Sum of 10th and unit digit = 12 A b CA vnit hundreth tenth digit -(1) Putting value of B Putting value of B and c ein equation a+7+5=15 a= 3

Three digit is 3. Q1.00 A man travels over the path of a right angle triangle having base and hypotenuse 4 and 5 kilometers, respectively. After a complete round he continues in the same direction for 6 km and then turns at 90 degree and continue for another 8 km, How long he has travelled and how far he is from his starting point? H2 = B2+P2 H2 = (8) + (6)2 H2 = 64+3 H2 2101 VI+2 = 2100 H = 10 Write the final answers in the form of statements (b) Hassan, Ali, Akbar, Nasir, and Shehbas are classmates having different packet money Hassan's pocket money is one third

as much as of Ali and Ali has fire times as much as Akbar. Akbar has thrice as much as Masir and Shehbaz gets equal to Nasix and that of Ali. If they get RS. 8000 then find the pocket money of each. Let Masir = 2 Akbar gets thrice of Nasir Akbay = 3x Ali gets 5 times of Akbar Ali =3xx5x = 15x Hassan poctes money is & of Ali = 1 x 15 x Hassan = 5x ghebbaz = Masir + Ali Shehbaz . 16x x + 3x + 15x +5x +16x = 8000 40x = 8000 2 = 200 - Masi y = 200



5x= 9600000 = 9600000 Profit = 2400000 -1920000 = 480,000 QT(c) What will be the Surface area and volume of a sphere. If it has radius of 7m? Sol: -Radius = 7 m volume of Surface 2 4 Tr2 = 4 , 22 , 49 V= 1437.3 Surface area = 41/2

d) Distribute RS 4320 among zain, Aslam and Ashraf in such a way that if 2 ain get 2 parts then
Aslam gets 3 parts whereas
Ashraf gets seven part Sol: -Zain Aslam Ashraf 2 3 7 Total amount = R5 4320 Total = 2+3+7 = 12 zains amount = RS 720 Aslam's amount = 3 x 4820 =RS 1086 's amount = 1 x 4320 = RS 2520

Q8 (b) Twelve men can complete a job in twenty four days. After four days, four person quit. In how many days this job will be completed by the remaining persons. Solution: -Men person left = 12-9 = 8 مِن لُولُ مِي رُوم اللَّهِ الْحَرِقِ مِي اللَّهِ اللَّهِ اللَّهِ اللَّهِ اللَّهِ اللَّهِ اللَّهِ اللَّهِ اللَّ = 12 x24 2 36 Days = 36 c) The Shawdow of a 10m tall tree is falling on a high rise building and its night is soom. If a tree is som

away from the wall, at what distance from the wall is the light source? Sol:-20m 20m Light Source In two identical triangle the ratio of two corresponding side is equal 100 20+1 (20+7)10 100x = 200 +10x 100-10n = 200 90 x = 200 = 20. 22.22 m

and Start
d) There are three cars and Start  moving in such a way that car A and  moving in such a way that car A and  moving in such a way that speed
moving in such a way with speed
moving in such a way  B are moving opposites with speed  B are moving opposites with speed
Bare moving opposite Car c is moving 600 and 100 km/h. Car c is moving
perpendicularly to both with speed  perpendicularly to both with speed  to both with speed  to both with speed
Perpendicularly to both 80km/h. What is the distance after 80km/h. What is the distance after
16 minutes because
Aand C uin) _ B and
Solution!
8
3 100 km/h Go km/h A
Time = 15min
- 15
60
Distance - Speed x Time
Car A will cover a distance = 60 x 15
= 15 km

