Section - II QNO:06 (a) Solution: Let's consider that the 3-digit number has following digits: X, Y, and Z sespectively. Then, according to given information following equations can be dougled: ZK y+z=12 eq0 y-z=2 eq0 Now we can solve for y and z by adding these two simultaneous equations. +× = 12 2 = 2 2y = 14 oR y=7 y=7



Now we will substitute value of y in equation 1) to get value of Z. 2+Z=12 (7) + Z = 1219 OR Z = Swe also know that sum of three digits is 15 and sum of two digits is twelve. So we can find third number easily by subtoacting sum of two lights from total. sum of digits as follows: x+y+z=15 × y+Z = 12 $\chi = 15 - 12 = 3$ x=3 Conclusion: Therefore, three digits are as follows: $\chi'=3$ y = 7Z=5



QN0:06 (6) Solution: Poice of Total Pizza: To find fotal poice of pizza, we need to know The poice per slice of Pissa. Because, weight of each slice is identical, so we are assuming that poice of slices is same. Before that we have to find total number of slices in each pizza to entrack price per slice. we can find it from octio of slices given for three The vation of slice is, as follows: 2:3:4 Similarly, sum of total slices is 18, so we can constitute equation as follows: $9\chi + 3\chi + 4\chi = 18$ 97 = 18 OR 1 7 = 2



Therefore, number of slices. in each pizze is as given below: DSmall Pizza = 2x = 2(2) = 4) Medium Pizza = 3x = 3(2) = 6 3 Large Pizza = 476 = 4(2) = 8 The price of Small pizza is 320 and number of stices it contains in four. Since, each slice has identical proice, proice per slice can be given by: Poice of mestice Proice of stices 320 Poice 80 Poice Per Slice = 80, Poice of total pizza = Poice per slice × Total Number of slices $= \frac{80}{1440}$ Price of total Pizza = 1440



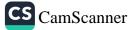
Weight of Total Pizza Weight of total Pizza weight per slice x total number of slices 409× 18 7209 weight total pizza = 720 gram



QNO:06 : 12:11 12:01 4 1. 27 (C) Given data: ⇒ Diameter of circle = d = 6cm ⇒ Circumference of circle = ? > Adea of circle = ? Solution : To find circumference and area of circle first we need to find sadius of circle which can be given by following equation: 1 14 C radius = d/g radius = 6/2 . . Fadius= = 3 Ciscumpference of circle: Circumperence of ancle = 2 TX = 2 (3.14) (3) = 18.857 Circumference = 18. 857 dm Adea of circle Area of circle = T x = - 3.14 (3)2 Adea . 00= cucle = 28.274 cm



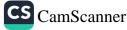
QNO:05 (0) (i) 13, 24, 46, 90, 178, 354 Missing number of series is 354. Each successive number is add 11, 22, 44, 88, 170 and 30 on. (11) 5,6,9,14,91,30 Missing number of series is 30; Each successive of of series is added with odd numbers starting from 1 and onwards.



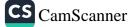
QN0:08 (a) Given data: => Length of classoom (L) = 15 ft => width (W)= 60% of Length =) Avea = ? Solution ; Because 607. of length equal to width therefor width can be given as: Width = 60% of 15 width= Now, we can find area as follows: Adea = Length × width = 15 × 9 = 135 Adea = 135ft Additionally, parimeter can given as Follows: Perimeter = 2 (Length + width) Perimeter = 2 (15+9) = 48 (Perimeter = 48 ft)



QNO:08 (6) Solution. W E 5 Assume that she starts from point A, suns 48ft toward point B, and then point i which is water tetion and her destination. C 2 goff B A 48ft. The stratght palli forms hypotenuse of toiangle which can be found from pylligoous Theorem as follows: H² = B² + P² Here B = 48ft, P = 30ft, H = ? H³ = 48³ + 30³ H= 52 (Straight pall = 59 ft/



QNO:08 .8/1 (c Griven information: Number of Students = 40
Average before coordection = 52.15
Sum. of marks before coordection = 3086 > Average after coosection = Formula: Sum of observations Number of observations Average To rectify the error, we 49 and add υ need S to get new divide it by total Lub forct and Sum number of students 2086+49-85 Averge Average Marks = 51.95 ۰.



QN0:08 Follow a step-by-step method to break down complex problems (0) into manageable parts. Given Data: Etal possible outcomes = 65 People who like Vezi jizza = 37 People who like chicken Pizza = 95 People who like miellier = 3 Formula: Possability = Favourble outcomes Total outcomes Probability = . 25 P-606 vality = 0.384 There is 0.384 probability likes chicken pizza. oR 15 at 38.4%. Chances that bandomly selected person will like pizza chicken Pizza.

