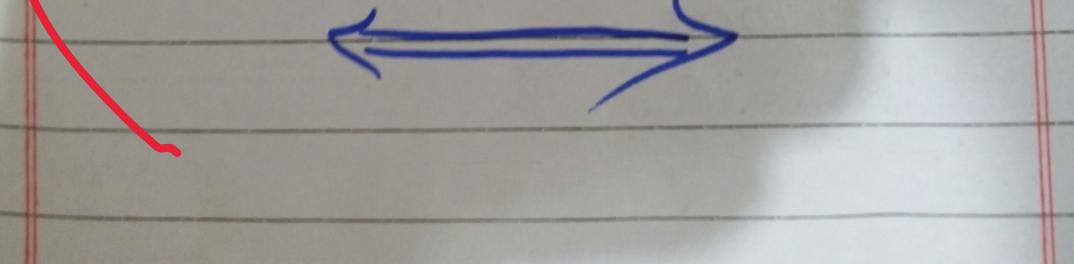
DATE : 4 107 2024 MTWTFS General Ability A cricket team won 60' of The total motches it played during the Year If it Cost 24 mathes in all and no mothes were drawn, find the number of matches played during the rear Solution : Let the total number of matches played be X The team won 60% of the notches, So it lost yor of the matches Given that the team lost 24 matches, we can set up the following equation 0.4x = 24 find the value of X 24 0.4 The total number lbele Motches played during the Year is 60

DATE: 4 1071 2024 MTWTFS cl: Two numbers are in the datio 3:2 if 2 is added to the frast and 6 is added to the second number, They are in the Satio 4:5- Find the numbers\_ Solution : Let the two numbers by 3x and dx According to the Peoblem, if 2 is added to the first number and 6 is added to The Second number, the new yatio becomes 4:5- we can set up the following equation based on this information \_3x+2 = 4 27+6 Cross-multiplying to some for  $\chi$ . 5(3x+2) = 4(an+6) 15x + 615x+10 - 8x+24 Reasonging to isolate x 157-82 = 24-10 7n = 14

DATE : 4 107 2024 MTWTFS 7x = 14 X = 14 7 X=2 Substituting a back into the Osiginal number The first mumber is 3x = 3(2) = 6The second number is  $2\pi = 2(2) = 4$ Thesefore, the two numbers cie 6 and 4



DATE : 4 07 , 2024 MTWTFS de If badius of a cylinder is locm and height is 36cm. Find the volume of cylindes. Solution : The volume V of a cylinder is given by the foomula V= 1826 chese; 8 is the radius of the cylinder h is the height of the cylinder  $\overline{\Lambda} = 3.14$ Given: N= locm h = 36 cmcre can Substitute These values into the formula to find the Defune  $V = \Pi(10)^{2}(36)$ V= T (100) (36 V= 36001 Write the final Using answer in the form of statement 3.14 3600 1 309.73 cm3