Aptitude Assignment 4

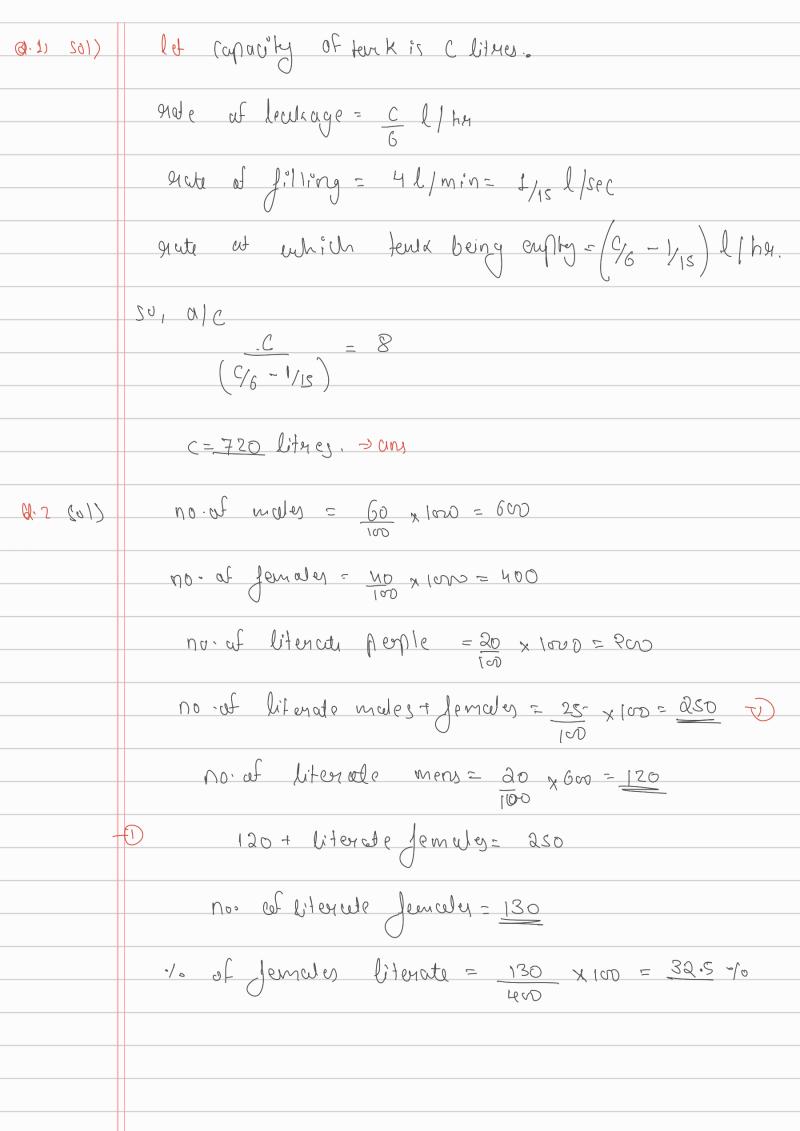
1. A leak in the bottom of a tank can empty the full tank in 6 hours. An inlet pipe fills water at the rate of 4 litres per minute. When the tank is full, the inlet is opened, and due to the leak, the tank is empty in 8 hours. Find the capacity of the tank.

2. Of the 1000 inhabitants in a town, 60% are males, 20% are literate. If 25% of all the inhabitants 25%, are literate, then what percentage of females are literate?

- 3. In an examination 80% candidates passed in English and 85% candidates passed in Mathematics. If 73% of candidates passed in both these subjects, what percent of candidates failed in both the subjects?

 35 10 of condidates failed in both the subjects?
- 4. The monthly income of a person is 13,500, and his monthly expenditure is 9,000. Next year's income increased by 14%, and his expenditure increased by 7%. Find percent increase in his savings is? \Rightarrow 28 \rightarrow 10 (100) in his savings
- 5. 49 pumps can empty a tank in 10 days, working 10 hours a day. if 70 pumps are used for 7 hours each day then in how many days the tank can be emptied?

Is tank will be empty in I day



0.3 201) let assume total condidate appeared = 100 pour in english = 80 % of 100 = 80 73.1. possed in both eng bruchs. let x % (andidate failed in both subject. Total = pussin eng + parsin matrs + passin both + 100 = (80-73)+(85-73) +73+8 X= 35 -> ans. a. 4) sol) in come montre 13 200 expenditure = garo Somings = 4500 new year, en come 1 by 14010 new income = 13500 + 144, of 13500 = 15390 crupediture 1 by 70/0 new em = 9000 + 700 of 9000 = 9630 new monthy sourings = 15300 - 9630 = .5760 .: 1. 1 in somprings. - 5760 - 4500 x 100 = 28°/0 > ons

0.5 701)	no pumps compty tent in 10 days, wordsing 10 hars I day.
	total work = no. of pumps x lime x efficieny.
	efficient that for I day = 43 x 10 x 1 = 1]
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