

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 liters 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?
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 a percent increase 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?



ANSWERS:-

- 1) The capacity of the tank is approximately 822.86 liters.
- 2) 25% of females are literate.
- 3) 27% failed in both the subjects.
- 4) 28% increase in the person's savings.
- 5) It could take 10 days to empty the tank.