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.

Answer: the capacity of the tank is 5760 litres .

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?

Answer: 12.5% 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?

Answer: 8% failed in both 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?

Answer: 28% of increase in saving

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?

Answer: In 10 Days tank can empited.