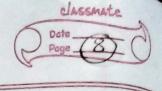
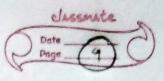
classmate. Date Page T

Aptitude Assignment - 4

	a lancage shallow as a land and a second of
Sol 1	Let capacify of tank is c litoes.
	The second design of the second secon
	Rate at batage = c 1/hr
	•
	Rate at filling = 4l/min = 1 l/sec
	Rate at which tank being
	Rate at which tank being empty = $\begin{pmatrix} C - 1 \\ 6 \end{pmatrix} l/hn$
	So, C = 8, C = 720 létres Ans
	6 15
Sol 2.	no of males = 60 x 1000 = 600
	no of females = 40 × 1000 = 400
	no. of literate people = 20 × 1000 = 200
	no of literate males + females = 25 x100 = 250 f)
	no of literate mens = 20 ×600 = 120
	100
	120+ literate females = 250
	no of literate females = 130
	% of females literate = 130 x100 = 32.5%
	400 Ans



let assume total candidate appeared=100 Sol 3 Pass in english = 80% of 100 = 80 Pass in Mathe = 85% of 100 = 85 73% passed in both eng & maths Total = Pass in Eng + Pass in Maths +
pass in both + failed in both 100 = (80 - 73) + (85 - 73) + 73 + xx = 35 Ans Sol 4 Income per month = 13,500 expenditure = 9000 Savings = 4500 new year, income 1 by 14% new income = 13 500 + 14 % of 13500 = 15,390 new exp. = 9000 + 7% of 9000 = 9,630 new monthly savings = 15,390-9,630 = 5,760 1. 1 in Savings = 5760-4500 x 100 = 28% Ans



Sols 49 pumps empty tank in 10 days, working Total work = no of pumps x time x efficiency Efficiency 1 pump for 1 day $= 49 \times 10 \times 1 = 1$ Hence, I day is required. And