Mr Singh spends 1/4 of his monthly salary on the repayment of a housing loan. Of the remainder, he spends 1/5 on food and the PUB bill, and puts aside 1/10 for transport costs. This leaves him with 630 a month. What is his monthly salary?

Solution.

We first find which part of salary stays after all payments

 $1 - \frac{1}{4} - (1 - \frac{1}{4})(\frac{1}{5} + \frac{1}{10}) = \frac{3}{4} - \frac{3}{4}\frac{3}{10} = \frac{21}{40}$ 

Then his monthly salary is

 $630\frac{40}{21} = 1200$ 

**Answer.** 1200.

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