



Problem Solver



Mary's income is 60% more than Tim's income. Tim's income is 40% less than Juan's income. What percent of Juan's income is Mary's income?

Let t = Tim's income

Let j = Juan's income

Let m = Mary's income

$t = 0.6j$ (40% less than Juan's income)

$m = 1.6t$ (60% more than Tim's income)

Using substitution:

$$m = 1.6(t)$$

$$t = 0.6j$$

$$m = 1.6(0.6j)$$

$$m = 0.96j$$

So Mary makes 96% of Juan's salary.