






TIP Calculation Menu (TIP%)



The Tip menu allows you solve the simple problem of share a restaurant tip and bill in a number of persons. The calculation uses the following equations:

$$\mathbf{TOT = BILL \cdot (1 + TIP\% \div 100)}$$






$$\mathbf{SPLIT = TOTAL \div \#NP}$$

Button	Button Actions
	Stores or calculates the Bill amount. $\mathbf{BILL = TOT \div (1 + TIP\% \div 100)}$
	Stores or calculates the Tip percent value. $\mathbf{TIP\% = 100 \cdot (TOT - BILL) / BILL}$
	Stores or calculates the Total amount to be paid. $\mathbf{TOT = BILL \cdot (1 + TIP\% / 100)}$ or; $\mathbf{TOT = SPLIT \cdot \#NP}$ depending on the last key pressed.
	Stores the number of persons that will share the Total (TOT).
	Stores or calculates the amount to be paid by each person. $\mathbf{SPLIT = TOT / \#NP}$




Example:

A dinner Bill is \$576.25 and 11 persons will share it. What is the amount per person if all agree to add a 15% tip?.

Solution: Follow the next sequence:

Keystrokes	Description
576.25 	Stores the Bill amount. BILL = 576.25
15 	Stores the tip percentaje. TIP% = 15.00
	Calculates the Total to be divided. TOT = 662.69
11 	Enter the number of persons. #NP = 11.00
	Calculates the amount to pay per person. SPLIT = 60.24

Suppose no one wants to pay the exact amount and the split is rounded to \$60.00. What is the Tip% and the new Total ?

Keystrokes	Description
60 	Stores the rounded amount per person. SPLIT = 60.00
	Calculates the new Total. TOT = 660.00
	Calculates the new Tip percent. TIP% = 14.53