



Tip Calculator

Project Goal:

Students will create a program that will ask for their bill amount and how much they want to tip. Then, the program will calculate the final amount they will pay including their bill and tip.

Standard: [CCSS.MATH.CONTENT.7.RP.A.3](#)

Use proportional relationships to solve multistep ratio and percent problems. Examples: simple interest, tax, markups and markdowns, gratuities and commissions, fees, percent increase and decrease, percent error.

Blocks:



Student Handout: [Tip Calculator Student Guide](#)

Teacher Guide: [Tip Calculator Teacher Guide](#)





Solution:

```
when green flag clicked
  set Bill to ?
  set Percent Tip to ?
  set Decimal Tip to 0
  set Cost of Tip to 0
  set Total Payment to ?
  ask "What was your bill?" and wait
  set Bill to answer
  ask "What percentage do you want to tip?" and wait
  set Percent Tip to answer
  set Decimal Tip to Percent Tip / 100
  set Cost of Tip to Decimal Tip * Bill
  set Total Payment to Bill + Cost of Tip
```

