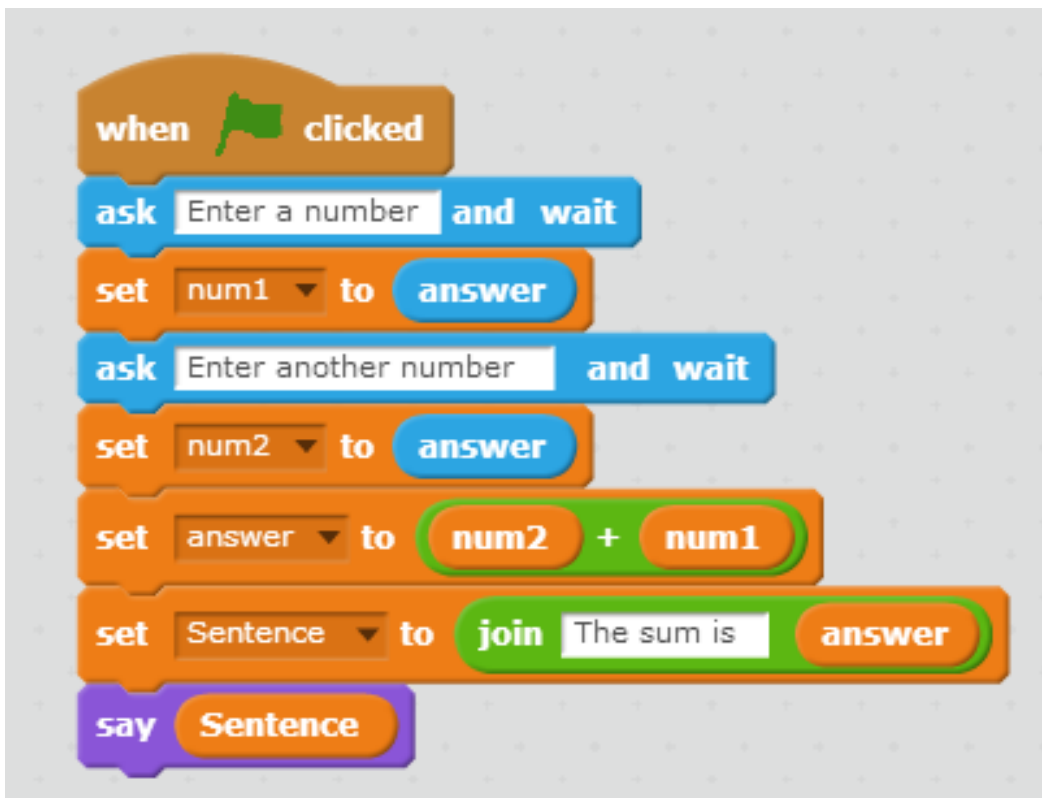


Assignment 37 - Doing Some Math

The following program lets you enter in two numbers and then prints out the sum.

First we have to create 3 variables, so we go to Data, click make a variable and then call it num1. Do the same thing for num2 and answer.

37a. Then we start putting our blocks together.

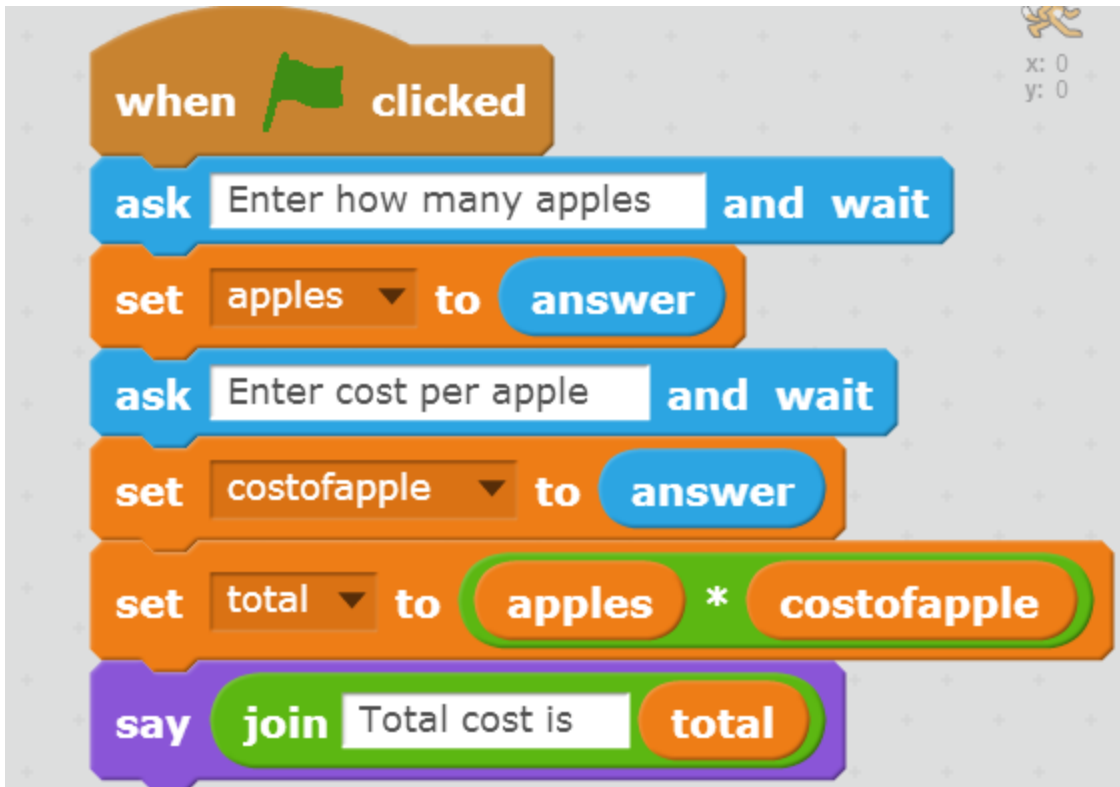


37b. The program below shows you how to find the area and the perimeter when you enter the two sides of a rectangle. Note : the side1 + side2 have to be in it's own bubble (parenthesis). You have to force it to do the adding before it multiplies the result times 2.



In this program we use the join command to add together words and variables so we can get Scratch to print out one final answer.

Here is another sample program for you to look at



You don't have to do this one

Once you get these two programs working and linked to your site we can try the following. Be sure to link them to your Googlesite (37a, 37b etc) Directions on linking to your site are on the **bottom** of the page.

37c. Write a program that will let you enter the 3 numbers and print out the sum.

37d. Write a program that will let you enter 4 numbers and print out the average

37e. Write a program that will let you enter the radius of a circle and print out the area and circumference of the circle

Example

Enter radius 5

Area is 78.5 Circumference is 31.4 (use the join command to print things together - see Area of Rectangle program above)

37f. Write a program that will let you enter a price and print out the sales tax and final price (sales tax rate is .07)

Ex.

Enter price 20

Sales tax is 1.40 Total price is 21.40

37g. Write a program that will let you enter how many people are going to the movies and then print out the total cost (movie tickets are 12.50 each)

Enter how many people are going to the movie

5

Cost is 62.50

37h. Write a program that will let you enter the base and height of a triangle and print out the area.

Ex

Enter base of triangle

10

Enter height

5

Area is 25

37i. Make up a program where Scratch will let you enter some numbers and then Scratch will give you the answer to your problem.

To link the Scratch programs to your Google site

1. When you are in a Scratch editing page select Share
2. Copy the url at the top
3. Copy the url (like <http://scratch.mit.edu/projects/19090714/#editor>)
4. Insert the link on your Google Site with a37 or whatever project number is