

## Teacher solutions to Lesson 1 – Input and Output

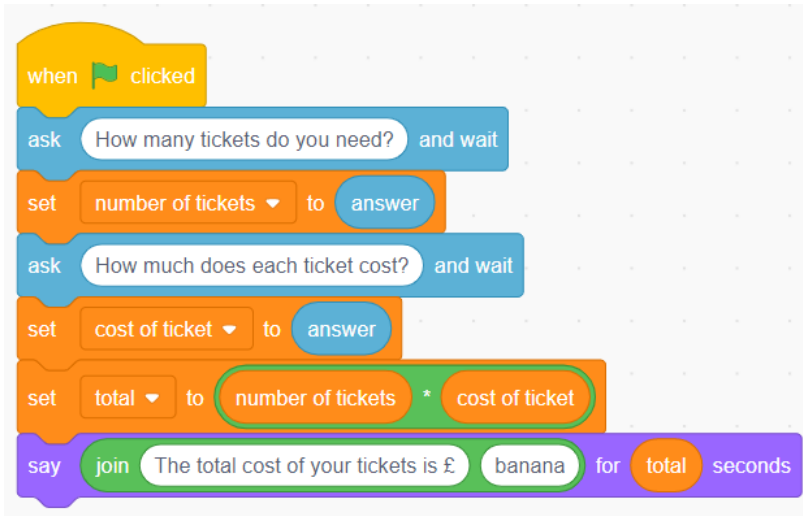
### Practice Tasks:

1. Write a program that asks someone for the number of tickets they need from Glasgow to London, and how much each ticket costs. The program should report back the total cost.

Use the following information to test the program:

Number of tickets	Cost of ticket	Total (what should appear)
10	7.99	£79.90

Save your program in your Computing folder. Call it **ticket**.



```
when clicked
ask "How many tickets do you need?" and wait
set number of tickets to answer
ask "How much does each ticket cost?" and wait
set cost of ticket to answer
set total to (number of tickets * cost of ticket)
say join "The total cost of your tickets is £" banana for total seconds
```

2. Write a program that asks someone to enter how many pupils are in the lunch hall, and how many boys are in the lunch hall. The program should report back the number of girls in the lunch hall.

Use the following information to test the program:

Total pupils	Number of boys	Number of girls (what should appear)
100	39	61

Save your program in your Computing folder. Call it **lunch hall**.



```
when clicked
ask "How many pupils are in the lunch hall?" and wait
set pupils to answer
ask "How many boys are in the lunch hall?" and wait
set boys to answer
set girls to (pupils - boys)
say join "There are" join girls "girls in the lunch hall" for 2 seconds
```

3. Write a program that asks someone to enter the total amount of pocket money they have. It should then ask them how much they have been given this week and how much they have spent, then display the new total.  
Use the following information to test the program:

Pocket Money	Given	Spent	Total (what should appear)
£10	£5	£7	£8

Save your program in your Computing folder. Call it **pocket money**.

```
when green flag clicked
ask "How much pocket money do you have?" and wait
set "pocket money" to answer
ask "How much money have you been given this week?" and wait
set "given" to answer
ask "How much money have you spent this week?" and wait
set "spent" to answer
set "total" to (pocket money + given - spent)
say join "Your new total pocket money is £" total for 2 seconds
```