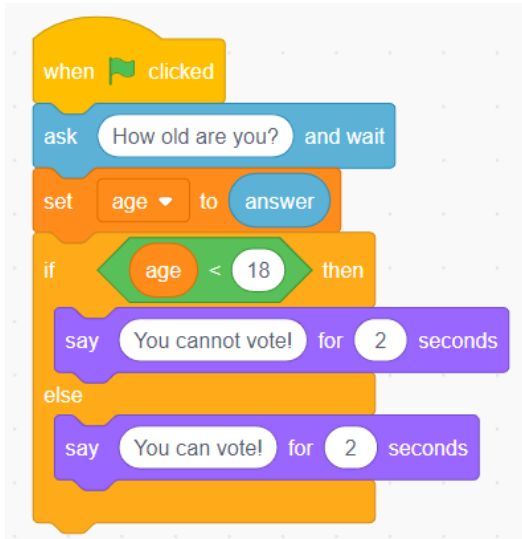


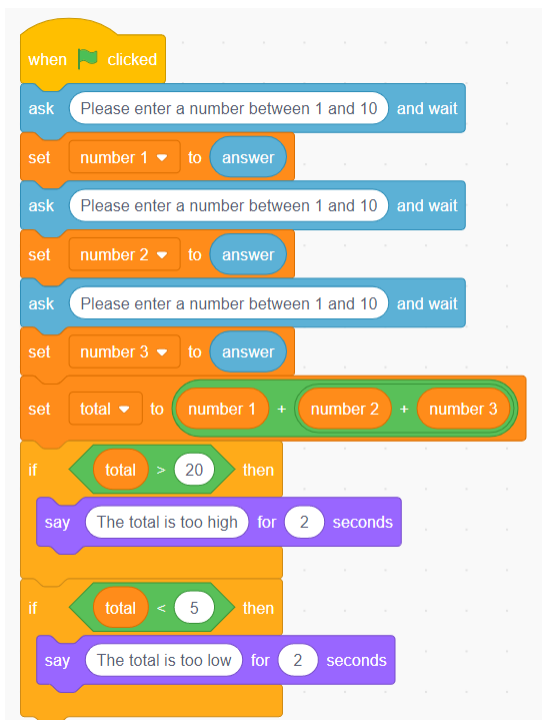
Teacher solutions to Lesson 2 – Making Decisions

Practice Tasks:

1. Write a program that asks someone to enter their age. If they are less than 18 (<18) they cannot vote, otherwise they can vote. Save your program in your Computing folder. Call it **vote**.



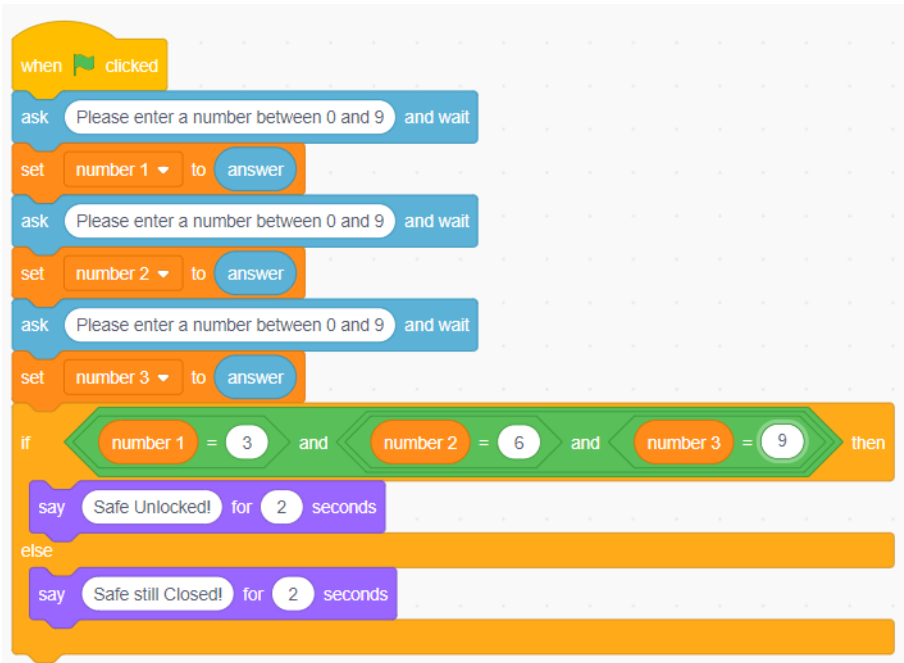
2. Write a program that asks someone to enter 3 numbers between 1 and 10 and then works out the total. If the total is over 20 (> 20) then the program reports back that the total is too high. If the total is less than 5 (<5) then the program reports back that the total is too low. Save your program in your Computing folder. Call it **High and Low**



3. A safe uses a program to keep important documents secure. It has 3 numbers and all 3 must be correct to allow the door to open.

Write a program that allows a user to enter 3 numbers (into 3 separate variables) and then checks to see if they are correct – you can choose the correct numbers! If the numbers are all correct then display a message saying Safe Unlocked, otherwise display a message saying Safe still Closed.

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

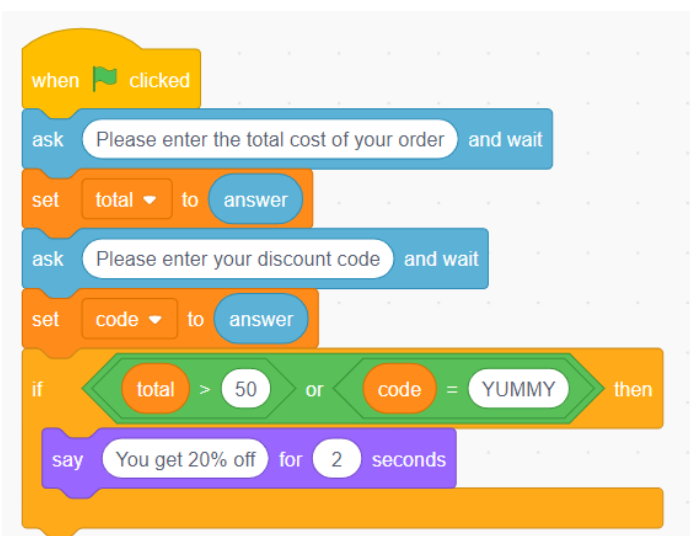


```
when clicked
ask Please enter a number between 0 and 9 and wait
set number 1 to answer
ask Please enter a number between 0 and 9 and wait
set number 2 to answer
ask Please enter a number between 0 and 9 and wait
set number 3 to answer
if number 1 = 3 and number 2 = 6 and number 3 = 9 then
say Safe Unlocked! for 2 seconds
else
say Safe still Closed! for 2 seconds
```

4. Write a program that helps work out if a customer gets a discount when ordering pizza. The program should take in the total cost of the order and a discount code. If the order is more than £50 or the discount code is **YUMMY** then tell the customer they can have 20% off!

Be careful, because you will need to use the OR block rather than the AND block for this program.

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



```
when clicked
ask Please enter the total cost of your order and wait
set total to answer
ask Please enter your discount code and wait
set code to answer
if total > 50 or code = YUMMY then
say You get 20% off for 2 seconds
```