



**MicroBlocks**<sup>®</sup>  
Small, Fast, Human Friendly

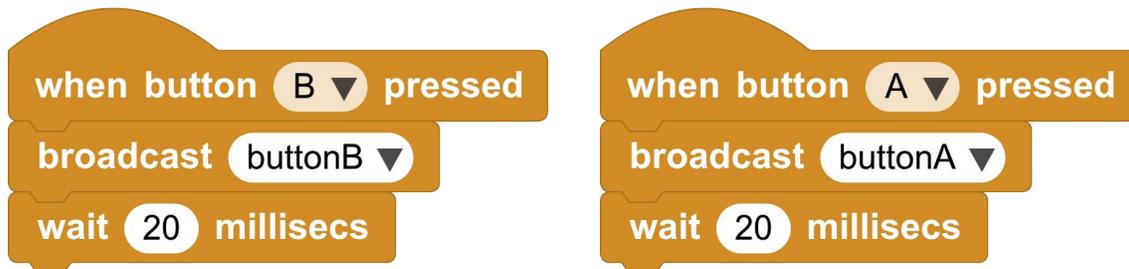


# Count

## MicroBlocks

Go to <https://microblocks.fun/run/microblocks.html> and connect the micro:bit or Calliope mini 3 to the MicroBlocks IDE via BLE. You will see a green background behind the **Connect** icon when you are connected.

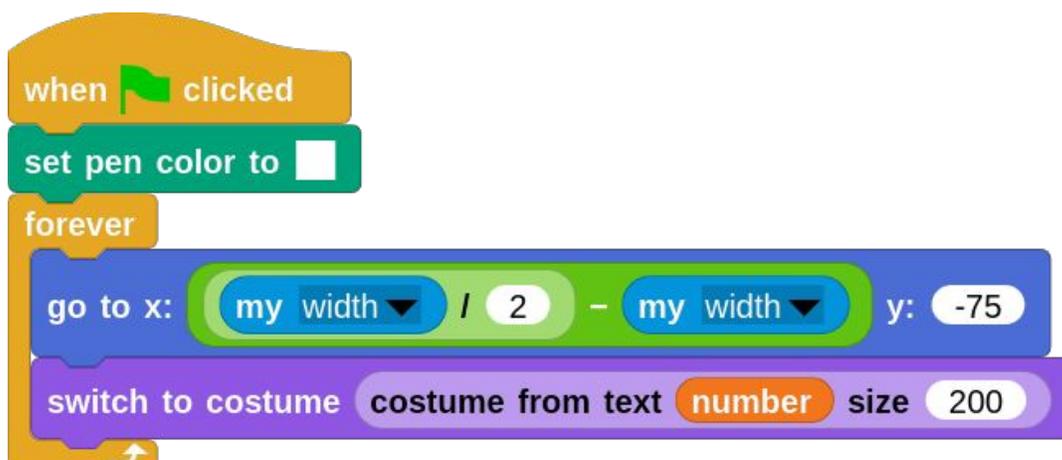
Make the blocks you see below using the category **Control**. The end result should look like this:



## Snap!

Go to <https://snap.berkeley.edu/snap/snap.html> and add the **MicroBlocks** and **Text Costumes** libraries. You will get an extra category of blocks and blocks are added to the **Looks** category. Make a variable called **number**.

The script that belongs with the **sprite** should look like this





# Count

## Snap!

Scripts that belong with the **background** should look like this. Make the background color blue.

```
when green flag clicked
  set background color to blue
  set number to 0
  if not connected to MicroBlocks
    connect to MicroBlocks via BLE
```

```
when I receive buttonA
  set number to number + 1
```

```
when I receive buttonB
  if number > 0
    set number to number - 1
```

Press the **green flag** icon, connect to your micro:bit or Calliope Mini 3 using BLE, press the A or B-button and the number on your screen will go up or down.