



Name: _____

Date: _____

I can control multiple components.

LessonID: 465



Multiple Sparkles can be joined together to create a chain of lights. To make each Sparkle light up in a different colour, we need to know the Sparkle's unique address, or index. Write the correct index of each light in this Sparkle Baton.



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As well as using random numbers to constantly change the colour of a Sparkle, we can also use random numbers to constantly change the index of the Sparkle that is being lit up. Recreate these two programs, trying different random numbers in the spaces.

random to

program start

Code A

do forever

turn all sparkles off

set sparkle to

wait 100 milliseconds

loop

program start

Code B

do forever

set sparkle to

wait 100 milliseconds

loop



To randomly light up all your sparkles, what values did you need to enter here?

set sparkle random to

How are the two programs different? What do you notice?