The Rhythm of the Light

Why is your light blinking? What's the rhythm? How quickly is it blinking?

Fill in the boxes below to illustrate how the light should blink. Each box = 1/8 of a second.
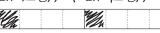
example: 2 blinks per second

1 second

on — off ⌐ on ⌐ off ⌐

1 second   1 second

1 second   1 second

1 second

on — off ⌐ on ⌐ off ⌐

on: 125 milliseconds
off: 125 x 3 = 375 milliseconds

Calculation Guide

1 second = 1,000 milliseconds
1/2 second = 500 milliseconds
1/4 second = 250 milliseconds
1/8 second = 125 milliseconds

Another Blinking Storyboard

Use the space below to sketch a scene illustrating the following prompt:

What does learning look like?

Plan Your Circuit

Using the model circuit diagram by Natalie Freed, draw out a circuit that places the LED underneath what you've chosen to illuminate.

Consider placing the microcontroller somewhere it can act as a mechanical switch.