



**Mat Type:** Counting and Targets Mat / CTM002

**Mission Title:** Sense the Difference

**Mission Goals**

The gray shaded lines range from 10% gray to solid black. The two sets of color lines use the full range of CMYK colors from cyan to yellow and magenta to yellow.

First use the standard light sensor to measure the response on each bar, both gray scale and color. See which ones represent similar contrast.

Then use the color sensor and do the same exercise. Again, look for values that are similar.

Then do some runs and program the robot to stop a specific contrast or color.

This will refine your ability sense color and contrast which is critical to sensor programming.

**Mission Participants**

**Date Completed** \_\_\_/\_\_\_/\_\_\_

**Record Your Steps Below**

STEP	Task	Notes
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STEP	Task	Notes
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