

How Many Different Stoplights Can Be Made?

Each stoplight must have a red, yellow and green block.

The image displays six identical, empty stoplight templates arranged horizontally. Each template is a vertical rectangle divided into three equal horizontal sections by two lines, representing the red, yellow, and green light sections of a stoplight. The templates are intended for students to draw different combinations of colors to create unique stoplights.

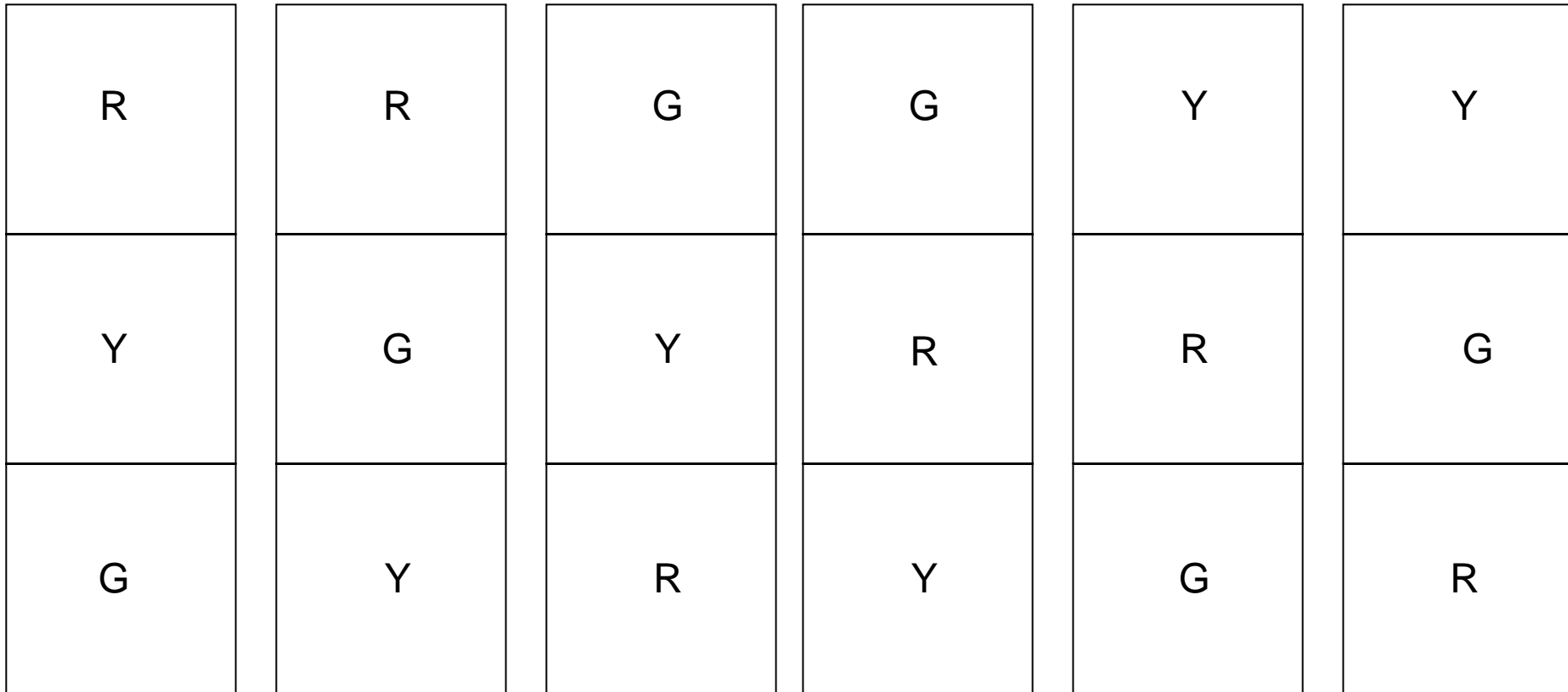
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ANSWER: There are 6 different stoplights that can be made. An orderly way to count is to let each color be on top twice, and then switch the other two colors for a different combination.