

# Dice Directions

## WHO MADE THIS?

Created by Kim White Steele for Puzzles to Print.

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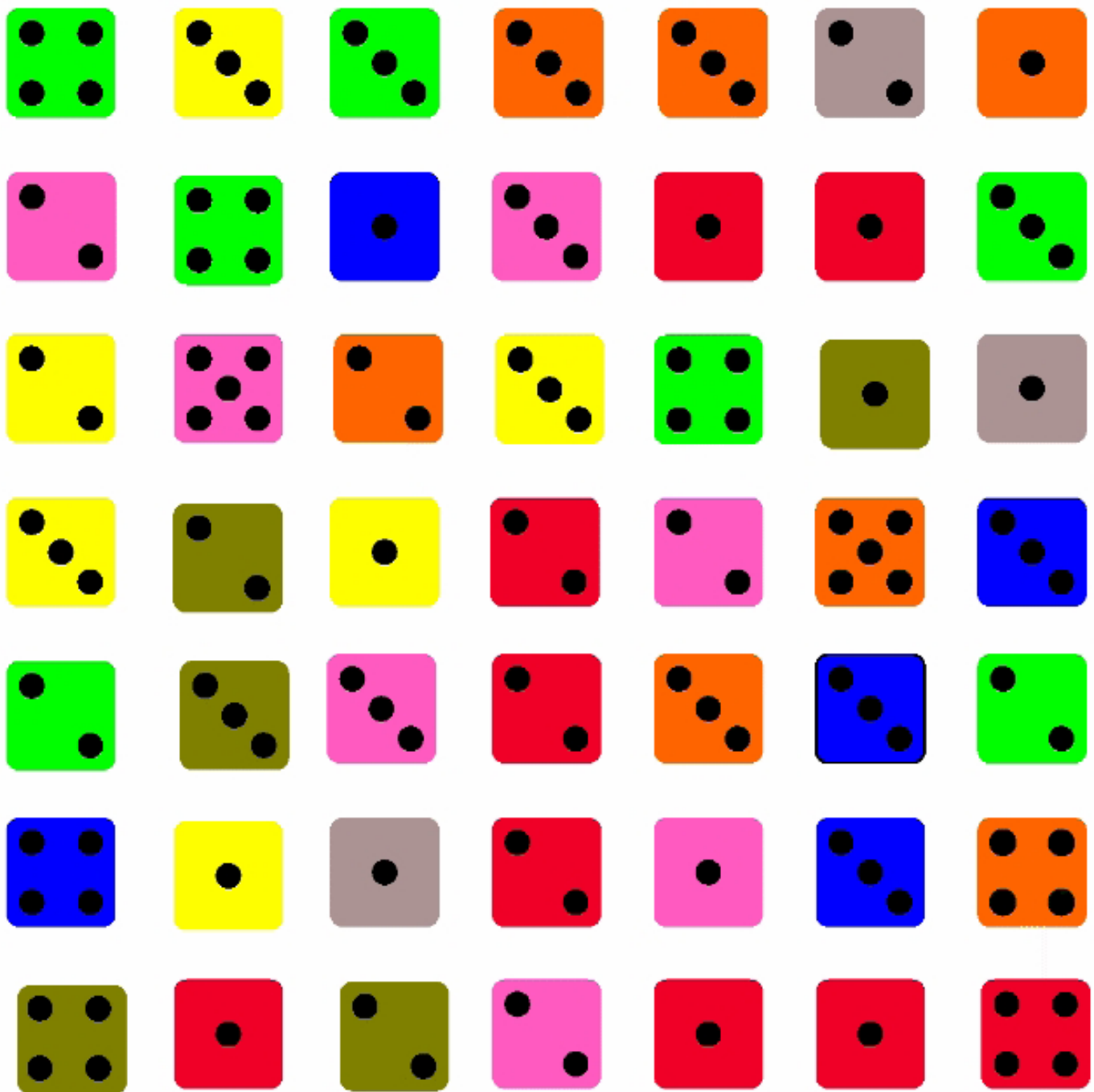
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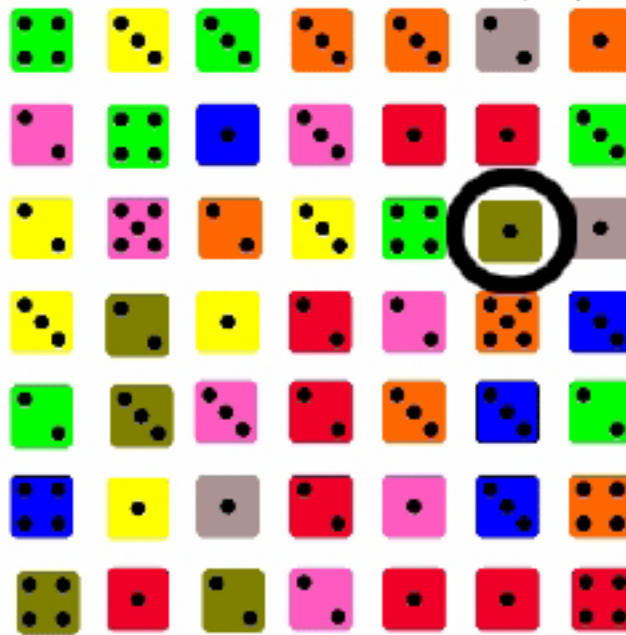
Each space is occupied by a die whose color corresponds to one of eight directions (up, down, left, right, and the four diagonal directions that lie between these). Begin in the center space (the red two in this case) and each time you land on a die, move the number of spaces that is indicated on the die and in the direction that is dictated by its color. You must never jump off the board and you must land on every die, but only once.

The question is: Which is the last die you land on?



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## SOLUTION



### HINTS:

The key to solving this puzzle is to reflect on the rules that you can not go off of the picture and that you can not return to the same square. Using these two rules, you can then apply a process of elimination.

To help keep track of things, one could make a table with the 8 colors along one axis and the 8 directions along the other. Then consider facts such as a color on the left edge of the picture that appears twice could not possibly have the left direction associated with it as that would cause you to go off the picture. (If it appears just once, you could not eliminate a left direction for it, as it could be the last die one lands on). So one could X out that possibility in the table. Similar reasoning for dice that are located further from the edge can be applied.

In this way one can eliminate most of the possibilities and assign a direction to each color. For the last few possibilities one must try out different scenarios and eliminate when one comes to a situation where one is forced back to a square already occupied or off of the picture.