

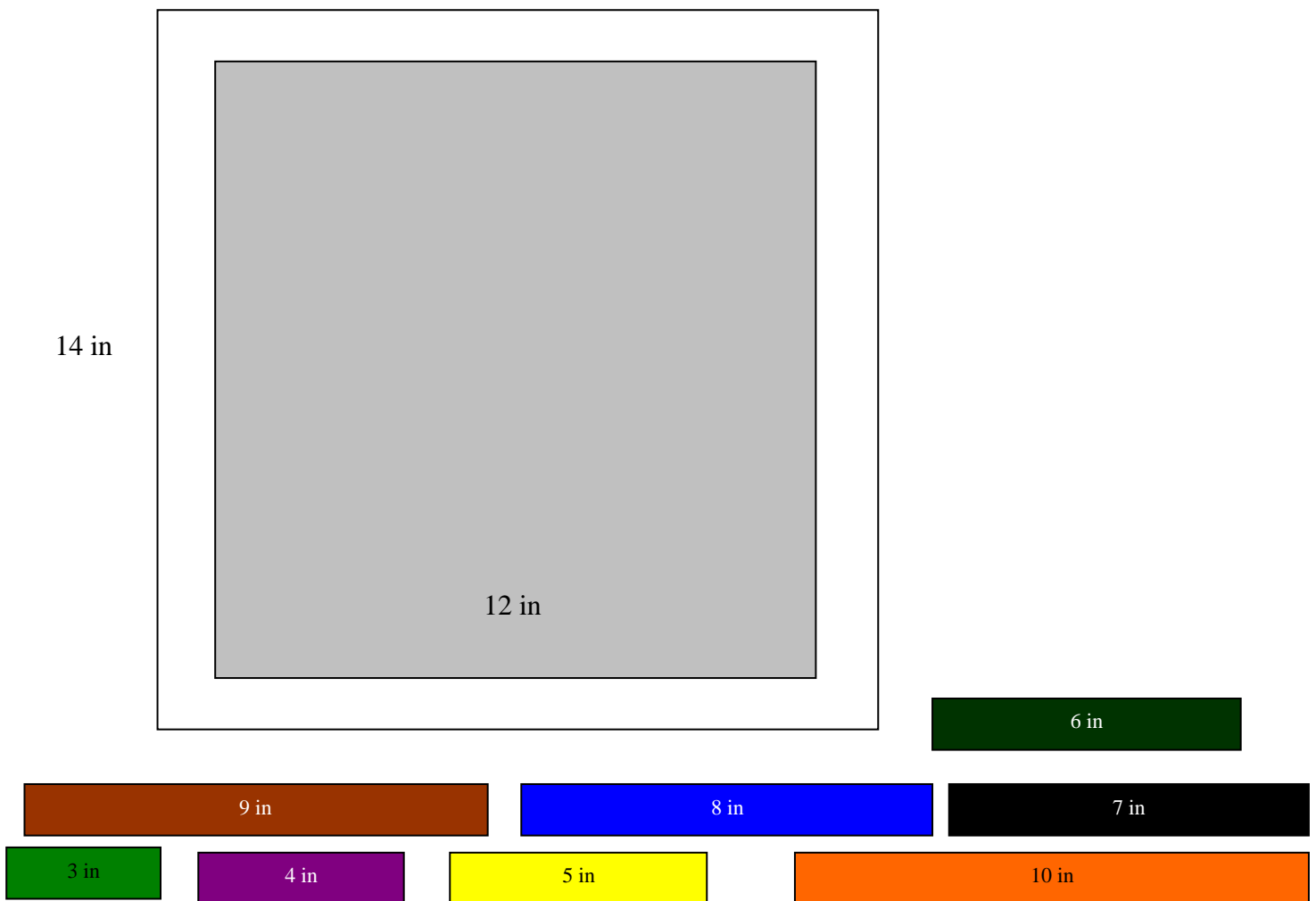
Miles of Tiles

Level A

You have a picture frame. You would like to decorate the frame by gluing tiles on it. The frame is a square shape.

The frame is 1 inch wide all around. The inside of the frame is a 12-by-12-inch square. The outside of the frame is a 14-by-14-inch square.

There are 8 tiles, each a different length (3, 4, 5, 6, 7, 8, 9, and 10 inches).



Determine how the tiles could be placed in order to cover the frame with tiles. How many different arrangements can you make? Explain how you found your answers.

