

I just moved into a new neighborhood and have been given four brass house numbers: 2, 3, 7, and 9. Since I am the first house in the neighborhood, I get to choose what my address is going to be using these 4 brass numbers. The only catch is that my address can't be four digits long (a single digit address, two digit address, or three digit address is okay). Remember that each number can only be used once since you only have one of each. For example, you can't make the address 223 since you only have one brass house number with the digit 2 on it. Given these conditions, how many different addresses can I form from the 4 brass numbers?
