Directions: Answer the problems given below.

1. A state decides that its license plate numbers will each consist of 7 characters: a nonzero digit from 1-9, followed by three upper-case Roman letters (from A-Z), followed by three more digits from 0-9. How many license plates contain a repeated letter? (*Hint: How many don't contain a repeated letter?*)

2. How many integers from 1 to 2000 are divisible by 4 or by 5?