

**Homework:** 1. How many whole numbers from 1 to 500 have a 3 as the hundreds digit or ones digit but not as both?

2. There are 1000 gold coins distributed in 10 bags. They are distributed in such a way that any number of bags can be combined and given for any number of coins asked without counting the coins from the bag.

Question: Give the number of individual coins in each bag. [Hint: This involves a pattern.] Eg: If 25 coins are being asked, any combination of bags from 1 to 10 can be given to give exactly 25.