

2-digit problem

On Planet Oryx there are only 500 people.

Every person is about to get a phone.

The phone company wants to work out how many digits to have in the phone numbers.

1. If they have just 2 digits in each phone number, will they get enough different phone numbers for everyone?

Name	Phone number
Aber	01
Aztema	02
Bambam	03
Binny	06
Bol	11
Booger	12
Cal	28



2. If they have 3 digits in each phone number, will they get enough different phone numbers for everyone?

Name	Phone number
Aber	001
Aztema	002
Bambam	003
Binny	016
Bol	101
Booger	102
Cal	028