



“I've been up against tough competition all my life. I wouldn't know how to get along without it.” Walt Disney

OCTOBER

How good is your divisibility knowledge?

I have a ten digit number, $abcdefghij$ where the first digit is a , the second digit is b and so on. Each of the digits is different from 0 to 9.

- a is divisible by 1
- ab is divisible by 2
- abc is divisible by 3
- $abcd$ is divisible by 4
- $abcde$ is divisible by 5
- $abcdef$ is divisible by 6
- $abcdefg$ is divisible by 7
- $abcdefgh$ is divisible by 8
- $abcdefghi$ is divisible by 9
- $abcdefghij$ is divisible by 10

What's the number $abcdefghij$?