



## ***I'm thinking of a number..***

The number is less than 50.

One of the digits is  $\frac{1}{2}$  of six.

The number is not a multiple of two.

The difference between the digits is one.

The digital root is 5.

This number can be made with 2 dimes and 3 pennies.

**The number is 23.**



## ***I'm thinking of a number...***

$\frac{2}{3}$  of the digits are even.

The number is a multiple of two.

$X + Y = 11$  when  $X$  is the digit in the hundred's place and  $Y$  is the digit in the one's place.

The sum of the hundred's and ten's is one more than the one's place.

The number is greater than 200.

One of the digits is the number of nickels in a quarter.

The digital root is four.

The difference between the hundred's place and the ten's place is half the digit in the one's place.

**The number is 526.**



## ***I'm thinking of a number...***

The number is greater than 2,000.

The digit in the thousand's place is  $\frac{1}{3}$  of the hundred's digit.

The difference between the thousand's place and the ten's place is four.

$X - Y = 2$  when  $X$  is the digit in the thousand's place and  $Y$  is the digit in the one's place.

The number does not have two as a factor.

One of the digits is the identity element for multiplication.

100% of the digits are odd.

The digital root of this number is the number in a pair.

$X + Z = 10$  when  $X$  is the digit in the thousand's place and  $Z$  is the digit in the ten's place.

**The number is 3,971.**