



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

The number is less than 100.

The difference between the digits is one.

The number is a multiple of two.

The number is a multiple of three.

Half of the digits are odd.

The number is not a multiple of five.

The digital root of the number is one less than 4.

The number means a dozen.

**The number is 12.**



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

The number is less than 500.

The digit in the hundred's place is a factor of the digit in the one's place.

$Y - X =$  the days in a week when  
 $X =$  hundred's digit and  $Y =$  ten's digit.

One of the digits is the greatest digit in Base 10.

The number is closer to 500 than 0.

$X + Z + 3 = Y$   
 $X =$  hundred's digit,  $Z =$  one's place &  $Y =$  ten's digit.

The digit in the one's place is the number of sides on a trapezoid.

The digital root of this number is the number of sides on a hexagon.

**The number is 294.**



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

The number is between 2,000 and 5,000.

The digit in the thousand's place is a factor of the digit in the one's place.

Two of the digits are neither prime or composite.

Two times the digit in the thousand's place equals the digit in the one's place.

One of the digits is the identity element for addition.

One of the digits is the number of quarters in \$1.50 using only quarters.

This number does not have three as a factor.

This number does not have five as a factor.

Three times the digit in the ten's place equals the digit in the thousand's place.

The digital root of this number is the identity element for multiplication.

**The number is 3,016.**