Talking Numbers

Problem Description:

Write a program that reads a number from the console and speaks that number. You will be using the `Machine.PlayWave` command from within a Graphics Magician program. The commands will look like the following line:

```
Machine.PlayWave("4.wav",2)
```

The by passing a "2" in the second parameter you are telling it to wait for one sound to finish before playing another. You have the following sound files (.wav) to work with:

```
0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, thir, fif, teen,
ty, 20, 100, 1000, 1000000, 1000000000
```

A good strategy is to write a series of functions that will speak successively larger numbers.

```
void speakDigit(int)      // speak a number from 0 to 9
void speakHundred(int)    // speak a number from 0 to 99
void speakThousand(int)   // speak a number from 0 to 999
void speakNumber(int)     // speak any integer
```

Make sure each function is working before moving on to the next function. Use the previous function that you have completed to build the next function. For example, use the `speakDigit()` function in the `speakHundred()` function. Hints: You will need to use integer division to break up the number. Your computer will need speakers or headphones so that you can hear the sounds.

Example Output:

The test case below should say:
"One billion, two hundred thirty four million, five hundred sixty seven thousand, eight hundred ninety"

Required Test Cases:

1234567890

Skills:

●Var ●Con I/O ○Format ●Logic ●Loops ●Functions ○Call by Ref ○File I/O ○Arrays ○Strings ●GM