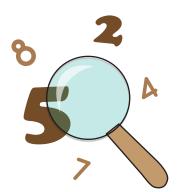# Mystery Numbers

Directions: Read all of the clues to determine the mystery number. Use the space provided below each problem to show your work.

Example:

I am a number between 20 and 40.
I am an even number.
I am a multiple of 8.
The sum of my digits is 5.
What number am I?

To solve this problem, follow these steps.

1. Make a list of the numbers between 20 and 40.
   21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39

2. Eliminate all odd numbers.
   21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39

3. Eliminate all numbers that are NOT multiples of 8.
   22, 24, 26, 28, 30, 32, 34, 36, 38

4. Add the digits of the remaining numbers to determine the answer.
   2+4= 6 and 3+2=5

Through the process of elimination, I know that the mystery number is 32 because it is a match for ALL clues.

Try this one on your own:

I am a number between 10 and 30.
I am an odd number.
I am a multiple of 7.
The sum of my digits is 3.
What number am I?