NUMBER RIDDLES

Solve these number riddles. It may help to make a list of possible numbers after you have gone through three or four clues.

a. I am thinking of a number.

- It is odd.
- It is between 1 and 100.
- It is greater than 20.
- It is less than the answer to 6 times 6.
- It is a multiple of 5.
- The sum of its digits is 7.
What is the number?_____

b. I am thinking of a number.

- It is a multiple of 3.
- It is not even.
- It is greater than 20.
- It is less than the answer to 7 x 6.
- The sum of its digits is even.
- The two digits in the number are the same.
What is the number?_____

c. I am thinking of another number.

- It is greater than the answer to 5 x 10.
- It is less than 100.
- It is even.
- It is not 70 or less.
- It is not a multiple of 4.
- It is not a multiple of 3.
- It is less than 80.
What is the number?_____

d. Make up a number riddle of your own. Use 4, 5, or 6 clues. Be sure that your clues lead to only one number. No clue should give away the number by itself. When you have finished your clues, have a classmate try your number and tell you if the clues make sense and if only one number is possible.

Mystery Number Clues by Fifth Graders

My number is
- less than 40.
- greater than 10.
- not a multiple of 2.
- not a multiple of 3.
- The sum of the digits is 5   23

My number is …
- more than 8x8.
- divisible by 9.
- not more than 10x10.
- not divisible by 5.
- not even.
- the sum of its digits is a double digit number.
                          99

My number is…
- not even.
- The sum of its digits is less than 8x2
- less than 400 and greater than 160
- All of the digits are odd.
- The ones digit is larger than the tens digit.
- The tens digit is larger than the hundreds digit.   357

My number is …
- not even.
- not more than 100.
- greater than 30.
- less than (7x5) – 5 + (6-1).
- not a multiple of 4.
- a multiple of 3   33

My number is…
- less than 50x2.
- odd.
- more than 7x9.
- a palindrome
- not a multiple of three
                      77

My number is …
- an even number greater than 10.
- less than 40.
- a multiple of 4.
- The sum of the digits is smaller than 6.
- If you multiply this number by 4, the product is not greater than 57
                          12

My number is
- even.
- a multiple of 3.
- a multiple of 4.
- greater than 6 x 6
- between 150 and 180
- The sum of the digits is 12
                          156

My number is…
- less than 5 x 6.
- greater than 20.
- a multiple of 2.
- not a multiple of 4.
- a multiple of 11.
                          22

My number is…
- not even.
- between 1 and 50.
- not a multiple of 5 or 9.
- greater than 20.
- It has a remainder when divided by 4.
- When its two digits are added they equal 3
                          21

My number is…
- an odd 2-digit number
- less than 40.
- greater than $30 \div 2$.
- a prime number.
- greater than 20.
- The sum of the digits is 10
                          37