



Brain Teaser #9

Digit Detector

Use the following clues to find the mystery number. What is the least number of clues needed to be certain of its value?

(The clues must be done in order).

1. The number is a three-digit number.
any 3-digit number: 100-999
2. The number is odd.
The last digit is 1, 3, 5, 7, or 9
3. The number is divisible by 5.
So, the last digit must be 5.
4. Each of the digits is different.
5. The digits add up to 8. Since the last digit is 5,
hundreds + tens digit = 3:
could be 3 + 0, 2 + 1, or 1 + 2.
6. The tens digit is smaller than the
hundreds digit. Must be 305 or 215.
7. The number is less than 300.
The number must be 215!
8. The number has only one even digit.