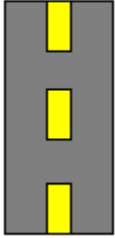# 9.3 Measures of Center

Median

* **Think: MIDDLE**

To find the Median:
1. Put numbers in ORDER from least to greatest.
2. Mark off high and low values until you reach the MIDDLE OR CENTER.
3. If there are 2 middles, add them and DIVIDE by 2.

Example: 83, 86, 91, 92, 94, 99, 99, 100

$$92 + 94 = 186 \qquad 186 \div 2 = 93$$

The Median (Middle) is 93.

Example 2: 81, 81, 85, 87, 89, 89, 100

87 is the middle number.

The Median (Middle) is 87.

100
100
100

Mode

* **Think: MOST**

To find the Mode:
1. Put numbers in ORDER from least to greatest.
2. Find the number that appears the MOST.
3. There may be more than one mode, or there may be NO MODE.

Example: 83, 86, 91, 92, 94, 99, 99, 100

       99 occurs most ofte

The Mode (Most) is 99.

Example 2: 81, 81, 85, 87, 89, 89, 100

      81 and 89 occur most often (they are tied).

The Mode (Most) is 81 AND 89 (There are 2 modes).

Example 3: 80, 80, 83, 83, 97, 97
      One number does NOT occur more than any others.

The Mode (Most) is NO Mode or None.
- **You may NOT say zero, because zero is a number.**