ROUNDING and ESTIMATING NUMBERS

Rounding Rollercoaster

- 4 or less- STAY THE SAME
- 5 or more- GO HIGHER

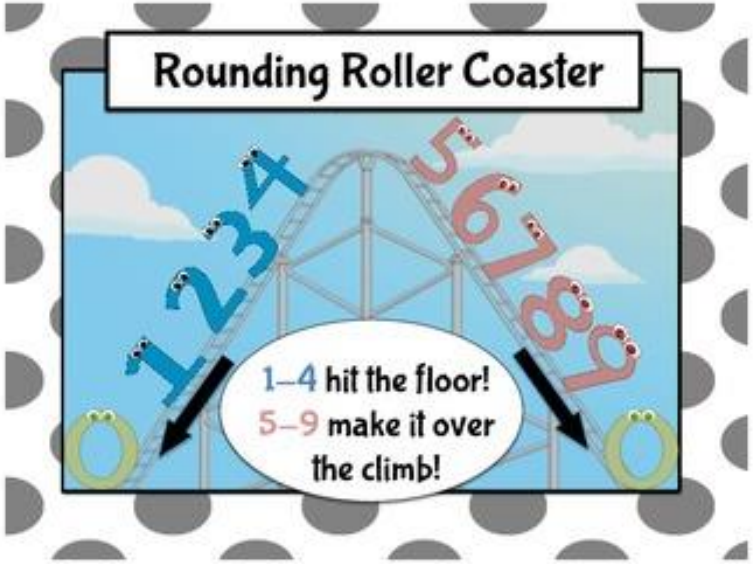
What is "Rounding“ ?

- Rounding means reducing the digits in a number while trying to keep its value similar.

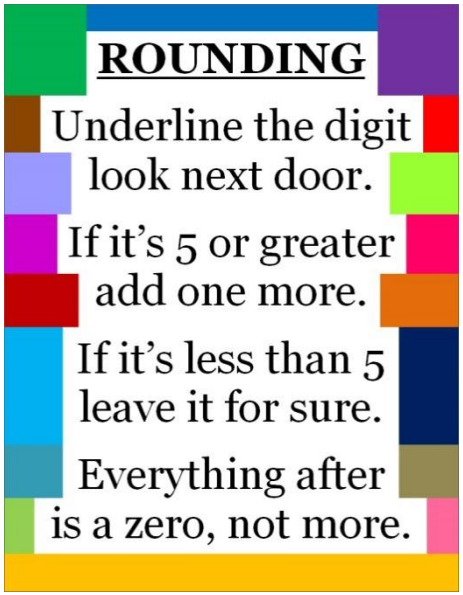
- *The result is less accurate, but easier to use.*

Example:

- 73 rounded to the nearest ten is 70, because 73 is closer to 70 than to 80.



How can I do that? Follow these steps



1. Underline the digit in the correct place.
2. Look next door (the next number)
3. If it's 5 or greater add one more.
4. If it's less than 5 leave it.
5. Change the remaining digits to zeros.

So…

Round to the nearest ten: 8,569

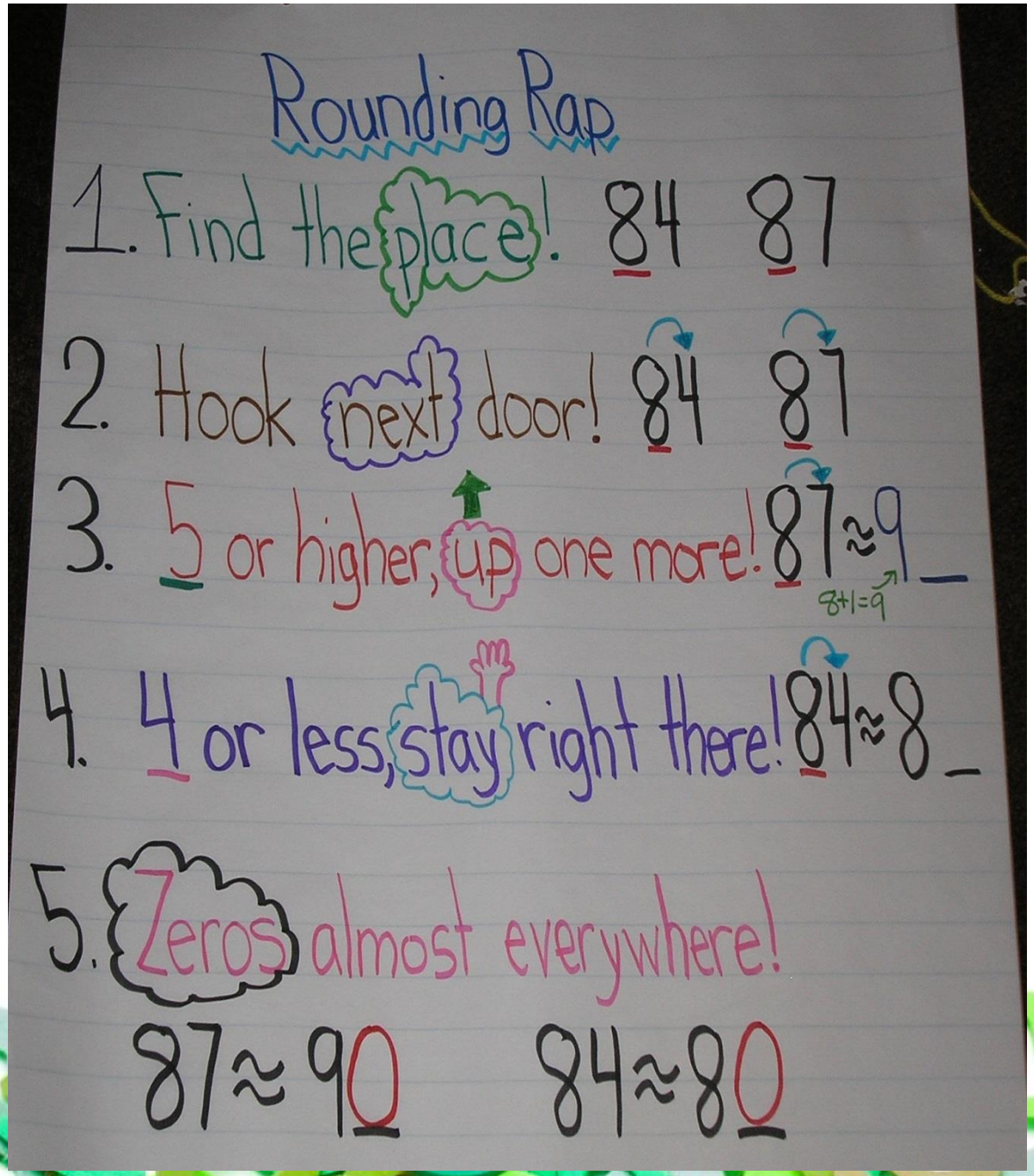
1. Underline the digit in the correct place
2. Look next door (the next number)
3. If it's 5 or greater **add one more.**
4. If it's less than 5 leave it.
5. Change the remaining digits to zeros.

1. 8,5<u>6</u>9
2. 8,5<u>6</u>9
3. 8,5<u>6</u>9:

   9>5 **(add 1more)**

   6+1: 7

5. 8,570


Rounding Rap
1. Find the place! 84 87
2. Hook next door! 84 87
3. 5 or higher, up one more! 87 ≈ 90
8+1=9
4. 4 or less, stay right there! 84 ≈ 80
5. Zeros almost everywhere!
87 ≈ 90 84 ≈ 80

Practice

1) Round to the nearest ten. 3,600

2) Round to the nearest ten. 73

3) Round to the nearest hundred. 79,639

4) Round to the nearest ten. 7,867

5) Round to the nearest hundred. 38,484

6) Round to the nearest ten. 8,569

7) Round to the nearest hundred. 91,927

8) Round to the nearest hundred. 302

9) Round to the nearest hundred. 69,065

10) Round to the nearest ten. 10

Now,

1) Round to the nearest ten. 61
2) Round to the nearest ten. 2,535
3) Round to the nearest hundred. 919
4) Round to the nearest ten. 11
5) Round to the nearest thousand: 8,811
6) Round to the nearest hundred. 35,946
7) Round to the nearest hundred. 43,214
8) Round to the nearest thousand: 7,583
9) Round to the nearest ten. 162
10) Round to the nearest ten. 5,460