

ROUNDING

A ROUNDING

Discover: Imagine you have 29 marbles. To quickly tell a friend, you might say, "I have about 30 marbles." This is rounding!

We round numbers to:

- Make calculations easier.
- Make numbers simpler to understand and remember.

Method Rounding Numbers to a Place Value

1. Find the digit in the place you are rounding to.
2. Look at the digit to the right of it.
3. If this digit is 5 or more, add 1 to the digit in the place you are rounding to (**round up**).
4. If this digit is 4 or less, keep the digit the same (**round down**).
5. Replace all digits to the right with zeros.

Ex: Round the number 365 to the nearest hundred.

Answer:

- 365 Find the digit in the hundreds place: 3
- 365 Look at the digit to the right: 6
- Since 6 is greater than 5, round up by adding 1: $3 + 1 = 4$
- 400 Replace all digits to the right with zeros.

The rounded number is 400.