Place Value & Rounding

Place Value Chart (example)

ten thousands
tenths
hundred thousands
hundredths
thousands
thousandths
hundreds
ten thousandths
tens
millions
ones

$$1{,}342{,}365.1427$$

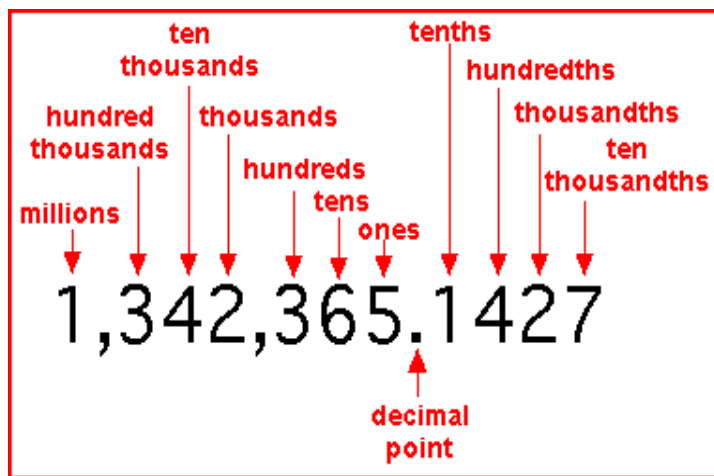decimal point

Rules for Rounding Whole Numbers

1. Find the digit you want to round to, and circle it.

2. Look at the digit to the right of the circled digit.

3. If the digit to the right of the circled digit is **5 or more**,
   - Add 1 to the circled digit, and
   - Change all the places to the right of the circled digit to zeros.

4. If the digit to the right of the circled digit is **Less than 5**,
   - Leave the circled digit as it is, and
   - Change all the places to the right of the circled digit to zeros.

Round **24, 902** to the nearest thousands place 2**4**,902 = **25,000**

Place Value Chart

Hundred-billions	Ten-billions	Billions	Hundred-millions	Ten-millions	Millions	Hundred-thousands	Ten-thousands	Thousands	Hundreds	Tens	Ones

To Convert

1	Fraction to Decimal	Divide
2	Decimal to Fraction	Write over place value and reduce
3	Decimal to Percent	Move decimal point two places to the **Right**
4	Percent to Decimal	Move decimal point two places to the **Left**.