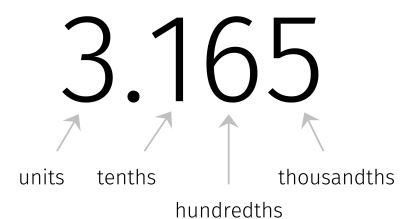


*"Still Boring, still useful"*

## Rounding a decimal

Let's choose  $A = 3.165$  as an example.

- When we round  $A$  to the nearest integer, we get 3.
- $A$  rounded to the nearest tenth is 3.2.
- We can round  $A$  up to 3.17.
- $A$  can be also rounded down to 3.1.



## Order of magnitude

When I'm looking on the internet right now, I can read that the estimated current world population is 8,059,292,083 people (it's increasing every second).

The order of magnitude of this number is the nearest power of ten, so it's ten to the power of ten, which I can write  $10^{10}$ , or ten billions.

## Big numbers

number	short scale naming	prefix	symbol
$10^6$	one million	mega-	M
$10^9$	one billion	giga-	G
$10^{12}$	one trillion	tera-	T
$10^{15}$	one quadrillion	peta-	P
$10^{18}$	one quintillion	exa-	E
$10^{21}$	one sextillion	zetta-	Z
$10^{24}$	one septillion	yotta-	Y