

Unit 9: Statistics

Scientific Notation

A football player signs a contract for

\$4,650,000 per year.

\$4.65 million

$$4.65 \times 10^6$$

720400000000

$$\underline{7.204} \times 10^{10}$$

↑ 1st #
↑ all other #'s before the long string of zeros
↑ how many places we moved the decimal point

0.000612

$$\underline{6.12} \times 10^{-4}$$

↑ 1st nonzero #
↑ all #'s after the first #
↑ how many places we moved the decimal point

4,130,000,000,000

$$\underline{4.13} \times 10^{12}$$

SMALL #'S ⇒ NEGATIVE EXPONENTS!

ex $0.\underbrace{0000000}_{7}12$

1.2×10^{-7}

3.46×10^5

346000

$0.\underbrace{000}_{\text{wavy}}6219 \times 10^{\textcircled{-4}}$
↓
move decimal
Print left

↓
0.0006219