

Name \_\_\_\_\_

Date \_\_\_\_\_

# Numbers in Scientific Notation

You can use scientific notation to write very large or very small numbers.

Here are some examples:

Standard Form	Scientific Notation
914,000,000	$= 9.14 \times 10^8$
0.00065	$= 6.5 \times 10^{-4}$



Write each number in scientific notation.

7,300,000 = _____	92,500,000 = _____
6,800,000,000 = _____	0.000022 = _____
0.00000051 = _____	4,670,000,000 = _____
308,000,000 = _____	0.000000021 = _____
56,200,000,000 = _____	0.0000000079 = _____
0.00000003 = _____	0.0000037 = _____
16,300,000,000 = _____	8,010,000,000,000 = _____
0.00000000824 = _____	0.000000000044 = _____
2,000,000,000,000 = _____	0.000000000000009 = _____

Write each number in standard form.

$4.7 \times 10^3 =$ _____	$9.5 \times 10^6 =$ _____
$5.2 \times 10^{-4} =$ _____	$3.17 \times 10^5 =$ _____
$8 \times 10^{-6} =$ _____	$2.6 \times 10^{-5} =$ _____
$1.54 \times 10^7 =$ _____	$4.08 \times 10^{-3} =$ _____
$3.9 \times 10^8 =$ _____	$6.67 \times 10^{-7} =$ _____
$8.5 \times 10^{-9} =$ _____	$2.03 \times 10^6 =$ _____
$7.41 \times 10^{-6} =$ _____	$9 \times 10^9 =$ _____
$1.01 \times 10^{11} =$ _____	$6.4 \times 10^{-11} =$ _____
$2.23 \times 10^{-8} =$ _____	$4.79 \times 10^{10} =$ _____