Scientific Notation

$a \times 10^n$

$1 \leq |a| < 10$ and n is an integer

Examples:

Standard Notation	Scientific Notation
17,500,000	1.75×10^7
-84,623	-8.4623×10^4
0.0000026	2.6×10^{-6}
-0.080029	-8.0029×10^{-2}
$(4.3 \times 10^5)(2 \times 10^{-2})$	$(4.3 \times 2)(10^5 \times 10^{-2}) =$ $8.6 \times 10^{5+(-2)} = 8.6 \times 10^3$
$\dfrac{6.6 \times 10^6}{2 \times 10^3}$	$\dfrac{6.6}{2} \times \dfrac{10^6}{10^3} = 3.3 \times 10^{6-3} =$ 3.3×10^3