



Chem Skills Worksheet #1: Scientific Notation

Express the following numbers in scientific Notation.

	Standard Notation	Scientific Notation
1.	567	
2.	.003	
3.	.0467	
4.	14.77	
5.	3,000,000	
6.	4.879	
7.	0.0000123	
8.	45,082	
9.	602,300,000,000	
10.	16,430	
11.	0.16430	
12.	3,456,000	
13.	12	
14.	1978	
15.	0.03621	
16.	68.69	
17.	0.00000826	
18.	101.2	
19.	0.0091254	
20.	306,000,000	

Express the following numbers in standard Notation.

	Scientific Notation	Standard Notation
21.	3.564×10^3	
22.	5.882×10^1	
23.	2.98×10^{-2}	
24.	3.7×10^0	
25.	9.439×10^7	
26.	6.7×10^5	
27.	1.0×10^{17}	
28.	7.0×10^{-2}	
29.	5.78×10^8	
30.	9.32450×10^{-3}	
31.	1×10^{-6}	
32.	7.465×10^2	
33.	3.14×10^3	
34.	2.00×10^{-4}	
35.	4×10^3	
36.	5.13×10^{-5}	
37.	6.03×10^{-8}	
38.	6.68×10^0	
39.	7.24×10^2	
40.	3.8×10^5	

Express the following numbers in Standard Notation and then in Scientific Notation

	Exponent Notation	Standard Notation	Scientific Notation
41.	645×10^5		
42.	92562×10^{-3}		
43.	$.33 \times 10^7$		
44.	$.0000000589 \times 10^3$		
45.	$.00422 \times 10^4$		
46.	$.00422 \times 10^{-4}$		
47.	0.7×10^{-2}		
48.	55.5×10^2		
49.	666×10^2		
50.	$.0055 \times 10^5$		