

1. Express each number in standard form.

a) 1.09×10^3

1,090

b) 4.22715×10^8

422,715,000

c) 3.078×10^{-4}

0.0003078

d) 9.004×10^{-2}

0.09004

e) 5.1874×10^2

518.74

2. Express each number in scientific notation.

a) 61,500

6.15×10^4

b) 0.0000568

5.68×10^{-5}

c) 321

3.21×10^2

d) 64,960,000

6.496×10^7

e) 0.07085

7.085×10^{-2}

3. Complete the table below.

Item	Radius in Meters (Standard Notation)	Radius in Meters (Scientific Notation)
The Moon	1,740,000	1.74×10^6
Atom of silver	0.000000000125	1.25×10^{-10}
Atlantic wolfish egg	0.0028	2.8×10^{-3}
Jupiter	71,490,000	7.149×10^7
Atom of aluminum	0.000000000182	1.82×10^{-10}
Mars	3,397,000	3.397×10^6

List the items in the table from smallest to largest.

Silver, Atom of aluminum, Atlantic wolfish egg, The Moon, Mars, Jupiter