



Name: _____ Period: ____ Date: _____

SCIENTIFIC NOTATION IN THE REAL WORLD

Scientific notation is used to write very large or very small numbers using less digits. You will research and discover examples of large and small numbers and convert them into scientific notation.

Examples

- The population of the world is about 7,117,000,000. (Answer: 7.117×10^9)
- The distance from Earth to the Sun is about 92,960,000 miles. (Answer: 9.296×10^7)
- The mass of a particle of dust is 0.000000000753 kg. (Answer: 7.53×10^{-10})

Problem	Picture
The population of _____ is about _____ people. _____	
The distance from _____ to _____ is about _____ miles. _____	
The mass of 20 _____ (pick an animal) is about _____ kg. _____	
The net worth of _____ (pick a celebrity) is about _____. _____	
The movie _____ had a lifetime gross of _____. _____	
There are _____ (number) _____ (pick an animal or object) in the world. _____	
The size of the _____ (pick a cell organelle) is _____ meters. _____	

Problem	Picture
The wavelength of the _____ light (pick a color - ROYGBIV) is _____ meters _____	
The average thickness of a (sheet of paper, plastic shopping bag, human eyelash, or fingernail – circle one) is about _____ inches. _____	
Come up with your own statement of writing a big or small number in scientific notation.	