
SCIENTIFIC NOTATION WORD PROBLEMS

NAME: _____

DATE: _____

1) The state of Colorado covers about 1.04×10^5 square miles. The Indian Ocean covers about 2.808×10^7 sq. mi. How many times bigger than Colorado is the Indian Ocean?

2) How far is a million inches in miles? (Hint: 1 mile = 5280 feet)

3) A speck of dust in an electron microscope is 1.2×10^2 millimeters wide. The image is 5×10^2 times larger than the actual size. How many mm wide is the actual speck of dust?

4) The half-life of uranium-238 is 4.5×10^9 years. The half-life of uranium-234 is 2.5×10^5 years. How many times greater is the half-life of uranium-238 than uranium-234?

5) The population of the United States is 3×10^8 and the population of the world is 7×10^9 . How many times larger is the population of the world than the United States?