SCIENTIFIC NOTATION WORD PROBLEMS

Directions: Solve each word problem.

1.) A robbery in Mexico City resulted in 6,040,000,000 pesos being stolen. What was the total amount stolen expressed using scientific notation?

2.) The number of paper clips produced per day at Owens Office Supply Outlet is 14,275. If the factory produces paper clips at the same rate every day for 60 days, what is the total number of paper clips produced in scientific notation?

3.) The diameter of human hair is 9×10^{-5} centimeters. The diameter of a spider's silk is 3×10^{-6} centimeters. How much greater is the diameter of human hair than the diameter of spider's silk? Express your answer using scientific notation.

4.) The chart below shows countries with the largest populations as of 2022.

Country	Approximate Population
Nigeria	223,804,632
Brazil	216,422,446
Mexico	128,455,567
Japan	123,294,513
Germany	83,294,633

What is the difference in population between Brazil and Germany? Express your answer using scientific notation.

5.) Estimates show there are 9.4×10^8 pet dogs and 6.1×10^6 pet cats in the Canada. How many pet dogs and cats are there in the Canada all together? Express your answer using scientific notation.

1.) 6.04×10^9

2.) 8.565×10^5

3.) 8.7×10^{-5} **cm**

4.) 1.33127813×10^8

5.) 9.461×10^8