Mrs. Glosser's Math Goodies

Scientific Notation Worksheet

Name _____ Date _____

Write the number(s) given in each problem using scientific notation.

1. The human eye blinks an average of 4,200,000 times a year. _____

2. A computer processes a certain command in 15 nanoseconds. (A nanosecond is one billionth of a second.) In decimal form, this number is 0. 000 000 015.
_____

3. There are 60,000 miles (97,000 km) in blood vessels in the human body.

_____ mi _____ km

4. The highest temperature produced in a laboratory was 920,000,000 F (511,000,000 C) at the Tokamak Fusion Test Reactor in Princeton, NJ, USA.

_____ F _____ C

5. The mass of a proton is 0.000 000 000 000 000 000 000 001 673 grams.
_____ g

6. The mass of the sun is approximately 1,989,000,000,000,000,000,000,000,000,000,000 grams.

_____ g

7. The cosmos contains approximately 50,000,000,000 galaxies. _____

8. A plant cell is approximately 0.00001276 meters wide. _____ m

Write the number(s) given scientific notation in standard form.

9. The age of earth is approximately 4.5×10^{9} years. _____ yr

10. The weight of one atomic mass unit (a.m.u.) is 1.66×10^{-27} kg.

_____ kg

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