

Too big...too small...Just Right!**Show work on notebook paper!****Write in scientific notation:**

- 1) 12
- 2) 0.156000
- 3) 0.00000000853

Write in standard notation:

- 4) 1.98×10^4
- 5) 4.5×10^{-6}
- 6) 2.71×10^{-1}

What is wrong with the following Qs?

- 7) 0.54×10^5
- 8) 97×10^{-4}
- 9) The diameter of a particular atom is 1.3×10^8 cm.

Solve the following word problems:

- 10) In Australia, the people use approximately 2,240,000,000 pounds of bread in a year. Put in scientific notation?
- 11) 0.000065 is the wave length of yellow light. Put in scientific notation?
- 12) A proton weighs 1.673×10^{-27} kg, a neutron weighs 1.75×10^{-27} kg, and an electron weighs 9.11×10^{-31} kg. Write the heaviest particle's mass in standard notation.

- 13) Explain the title of this worksheet. How does it relate topic of the practice problems?

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