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 x 104

**5)** 4.5 x 10-6

**6)** 2.71 x 10-1

What is wrong with the following Qs?

**7)** 0.54 x 105

**8)** 97 x 10-4

**9)** The diameter of a particular atom   
 is 1.3 x 108 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 x 10-27 kg,   
 a neutron weighs 1.75 x 10-27 kg,   
 and an electron weighs   
 9.11 x 10 -31 kg. Write the heaviest

particle’s mass in standard

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**13)** Explain the title of this worksheet.   
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