Scientific Notation and Metric Conversion Practice

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| 1. The approximate distance from Saturn to the Sun is 888,000,000 miles. Convert this number to scientific notation    1. 888 x 106    2. 8.88 x 10-8    3. 8.88 x 108    4. 88.8 x 107 | 1. Bill Gates’ estimated net worth is 93.2 billion dollars. Which number represents this number in scientific notation?    1. 9.32 x 100 billion    2. 9.32 x 101 billion    3. 0.932 x 102 billion    4. 932 x 10-1 billion | | 1. The thickness of a human hair is 3 x 10-6 millimeters. Express this number in standard form    1. 3,000,000    2. 300,000    3. 0.000003    4. 0.0000003 |
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| **Directions**: Solve each problem. Look for your answer in the decoder at the bottom of the page. Each time your answer appears, write the letter of the problem above it. | | | |
| 1. 1cm = \_\_\_\_\_\_\_\_\_\_\_ mm (O) 2. 200,000 cm = \_\_\_\_\_\_\_\_\_\_\_ Hm (R) 3. 0.06 m = \_\_\_\_\_\_\_\_\_\_\_ mm (B) 4. 14 cL = \_\_\_\_\_\_\_\_\_\_\_ mL (M) 5. 1,000,000 mL = \_\_\_\_\_\_\_\_\_\_\_ kL (N) 6. 300 dL = \_\_\_\_\_\_\_\_\_\_\_ DL (W) 7. 900 cL = \_\_\_\_\_\_\_\_\_\_\_ L (T) | | 1. 110 mg = \_\_\_\_\_\_\_\_\_\_\_ cg (E) 2. 0.750 g = \_\_\_\_\_\_\_\_\_\_\_ mg (A) 3. 9.43 kg = \_\_\_\_\_\_\_\_\_\_\_ g (H) 4. 2.0406 x 107g = \_\_\_\_\_\_\_\_\_\_\_ kg (F) 5. 204000 mL = \_\_\_\_\_\_\_\_\_\_\_ L (L) 6. 15 dg = \_\_\_\_\_\_\_\_\_\_\_ g (Y) 7. 3 ½ cm = \_\_\_\_\_\_\_\_\_\_\_ mm (S) | |
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