More Dimensional Analysis Practice

(Answers on back)

**Basic Conversions:**

1. Convert 14 Mm to m
2. Convert 285.9 cg to g
3. Convert 65.5 kL to mL
4. Convert 8.4 × 105 kg to dg
5. Convert 2.77 × 109 ML to cL

**More Practice Problems:**

1. How many meters are in 4.3 × 106 centimeters?
2. Convert 290000 grams into Megagrams.
3. How many liters are in a sample of water that is 9.0 × 105 microliters?
4. Convert 0.0038 kilometers to meters.
5. How many decigrams are in 2000 micrograms?
6. Convert 2.6 × 1012 picoliters to kiloliters.
7. How many meters are in 36000 millimeters?
8. Convert 5.5 × 10-3 Megagrams into centigrams.
9. How many milliliters are in 3.1 × 1012 microliters?
10. Convert 1.5 × 1025 nanometers into meters?

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**Answers:**

1. 1.4 × 107m
2. 2.859 g
3. 65.5 × 106 or 6.55 × 107 mL
4. 8.4 × 109 dg
5. 2.77 × 1017 cL
6. 4.3 × 104 m
7. 0.29 Mg
8. 0.9 L
9. 3.8 m
10. 0.02 dg
11. 0.0026 or 2.6 × 10-3
12. 36m
13. 5.5 × 105 cg
14. 3.1 × 109 mL
15. 1.5 × 1016 m

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