Name_____ Date_____

# Calculating Density

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|---|---|---|---|
| **Density** | = | **Mass divided by Volume** | **D = M/V** |
| **Mass** | = | **Density times Volume** | **M = D x V** |
| **Volume** | = | **Mass divided by Density** | **V = M/D** |

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1. 4 $cm^3$ of a mystery substance has a mass of 3.2 grams. What is the density of the mystery substance?

2. A diamond with a volume of 2 cubic centimeters has a mass of 7 grams. What is its density?

3. The density of cork is 0.2 g per $cm^3$. If I have a cork with a mass of 0.4 grams, what would its volume be?

4. The density of steel is 7.8 $g/cm^3$. If you have a steel cube that has a volume of 10$cm^3$, what is its mass?