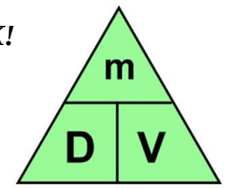
Grade 8 Science **Name: _____**

Calculating Mass, Volume and Density Assignment

To get full marks for each question:



- Answer all questions in the space provided. ***SHOW ALL OF YOUR WORK!***
- Write out the formula for what you need to find (e.g. **m= DxV**)
- Write in the units for each value (e.g. m= 3.2**g/mL** x 0.25**mL =** 0.8**g**)
- Indicate whether or not the substance is a solid or a fluid
- Round to 4 decimal places when needed
- #'s 1-6 are 4 marks each; #7-8 are 5 marks each

1. D=?; V= 4.0 mL; m= 6.4g; Solid/Fluid?

2. D=?; V=3200 mL; m= 5.4g; Solid/Fluid?

3. V= ?; D= 4.5g/ mL; m= 18.0g; Solid/Fluid?

4. V= ?; D=6.3g/cm3; m= 25.2g; Solid/Fluid?

5. Hydrogen; m= ?; V= 15.4 mL; Solid/Fluid?

6. Iron; m= ?; V= 7.5 cm^3; Solid/Fluid?

7. D=?; V= 6.5cm^3; m= 57.98g; Solid/Fluid? What is the substance?

8. D=?; V= 50.6 mL; m= 40g; Solid/Fluid?
   What is the substance?