## DENSITY WORKSHEET 1

Directions: Solve the problem! Show your Work!

This is the basic problem given for understanding DENSITY. Remember that the formula for density is…

**Density= Mass/Volume Volume= Mass/Density Mass= Density × Volume**

1. Mass = 40g Volume = 20mL
	* What is the Density?
2. Density = 2 g/mL

Volume = 20mL

* + What is the Mass?

1. Mass = 35g Density = 5 g/cm3
	* What is the Volume?
2. Mass = 35g Volume = 7cm3
	* What is the Density?

1. Density = 7 g/mL

Volume = 10mL

* + What is the Mass?
1. Mass = 70g Density = 7 g/mL
	* What is the Volume?

1. Mass = 22g Volume = 2cm3
	* What is the Density?
2. Density = 11 g/cm3

Volume = 2cm3

* + What is the Mass?

1. Mass = 16g Density = 2 g/cm3
	* What is the Volume?
2. Mass = 16g Volume = 8mL
	* What is the Density?



* for SOLIDS is **L×W×H = Volume**
* Density = Mass/Volume
1. Mass = 48g

**L = 2cm**

**W = 3cm**

**H = 4cm**

* What is the Volume?

13. Mass = 63g

**L = 1cm**

**W = 7cm**

**H = 3cm**

* What is the Volume?

* What is the Density? What is the Density?

12. Mass = 60g

**L = 4cm**

**W = 5cm**

**H = 6cm**

* What is the Volume?
1. Mass = 16g

**L = 4cm**

**W = 4cm**

**H = 4cm**

* What is the Volume?

* What is the Density? What is the Density?

* For LIQUIDS,

### (Final Water Level ‐ Starting Water Level) = Volume

* Density = Mass/Volume
1. Mass = 25g

**Final: 50mL**

* What is the Volume?

**Start: 45mL**

17. Mass = 60g

* What is the Volume?

**Final: 90mL**

**Start: 75mL**

* What is the Density? What is the Density?

16. Mass = 10g

**Final: 50mL**

* What is the Volume?

**Start: 30mL**

18. Mass = 10g

**Start: 55mL**

**Final: 85mL**

* What is the Volume?

* What is the Density? What is the Density?