**Metric Conversion Practice Using Dimensional Analysis Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Integrated Science – Matter**

Use dimensional analysis (don’t simply “move the decimal point”) to covert the measurements below as indicated. Use scientific notation for very large or small numbers. SHOW ALL WORK!

1. 40 mL to L
2. 5400 L to kL
3. 85 g to kg
4. 52 mg to g
5. 6300 m to km
6. 2.50 kg to g
7. 18,600 g to kg
8. 544 mL to L
9. 1.92 L to mL
10. 425 cm to m
11. 7870 mL to L
12. 6.42 m to dm
13. 1850 cm to m
14. 11.4 km to m
15. 3 m to mm
16. 74 cm to km
17. 835 mg to kg