

Name _____ Period _____

Metric Conversions #1

Perform the following conversions. Show all of your work. You must use dimensional analysis (the factor label method).

1) $143 \text{ cm} = ? \text{ m}$

2) $674 \text{ m} = ? \text{ mm}$

3) $0.1235 \text{ km} = ? \text{ m}$

4) $164 \text{ m} = ? \text{ km}$

5) $1.117 \text{ mL} = ? \text{ L}$

6) $2.53 \text{ kg} = ? \text{ g}$

7) $214 \text{ g} = ? \text{ cg}$

8) $298 \text{ mg} = ? \text{ g}$

9) $0.457 \text{ L} = ? \mu\text{L}$

10) $609\,000 \mu\text{L} = ? \text{ L}$

11) $5735 \text{ cg} = ? \text{ mg}$

12) $52.16 \text{ mg} = ? \text{ cg}$

13) $444\,000 \text{ mL} = ? \text{ kL}$

14) $0.000\,725 \text{ km} = ? \mu\text{m}$

15) $6.65 \text{ cm} = ? \text{ mm}$

16) $204.7 \text{ mm} = ? \text{ cm}$

17) $0.283 \text{ mL} = ? \mu\text{L}$

18) $3400 \text{ mm} = ? \text{ km}$

19) $250 \text{ m}^2 = ? \text{ mm}^2$

20) $3.30 \text{ cm}^3 = ? \text{ m}^3$