Name _____Period_____

Metric Conversions #3

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

1) 0.000 000 113 mm = ?nm

2) 3.44 cg = ?mg

3) 146 cm = ?mm

4) 299 000 m = ?Mm

5) 449 g = ?dg

6) 0.001 249 L = ?mL

7) 0.000 000 311 m = ?nm

8) 194 dL = L

9) 342 000 000 nL = L

10) 289 cg = ?mg

11) 184 000 μL = ?cL

12) 3.48 kL = ?mL

13) 0.000 344 km = ?cm

14) 344 000 000 000 ng = ?g

15) 404.3 mg = ?cg

16) 44300 mL = ?L

17) 498 000 000 nL = ?kL

18) 44 000 000 mm^3 = ?m^3

19) 470 000 000 000 000 μg^2 = ?g^2

20) 602 000 000 m^2= ?km^2