METRIC CONVERSIONS

V. Fill in the blanks with the correct metric equivalent.

1. 1000 g = 1 _____
2. 0.1 g = 1 _____
3. 100 g = 1 _____
4. 10 g = 1 _____
5. 0.001 g = 1 _____
6. 0.01 g = 1 _____
7. 10.0 m = 1 _____
8. 1000 m = 1 _____
9. 0.001 m = 1 _____

VI. Convert the following metric numbers. (Remember: DO NOT drop final zeroes from your numbers.)

10. 20 mg = _____ g
11. 23,456 g = _____ kg
12. 14 g = _____ cg
13. 2.3 mg = _____ g
14. 70 cg = _____ g
15. 45 g = _____ mg
16. 2.6 kg = _____ g
17. 0.5 g = _____ dg
18. 0.004 kg = _____ g
19. 1×10^{3} m = _____ km
20. 1×10^{-3} m = _____ mm
21. 55 m = _____ cm
22. 4.5 cm = _____ mm
23. 0.89 mm = _____ m
24. 0.005 m = _____ mm
25. 1.14 L = _____ cm^3
26. 15 mL = _____ cm^3
27. 1.40 cL = _____ cc
28. 0.015 hL = _____ L
29. 8.2 mL = _____ L
30. 2,000 kg = _____ g
31. 0.053 g = _____ mg
32. 0.0512 cg = _____ kg
33. 101.53 cg = _____ g
34. 540,000 mg = _____ g
35. 45,000 cm = _____ km

VII. Solve the following equations. Be sure to convert all units to the same base! Show your work.

36. 16 g - 50 mg = _____ g

37. 0.017 L - 17 mL = _____ mL

38. 320 mm + 5.4 cm + 1.689 m = _____ m

39. 53 cm + 3 m = _____ mm

40. 0.054 g - 54 mg = _____ g