

# Metric Conversion

Name \_\_\_\_\_  
 Period \_\_\_\_\_  
 Date \_\_\_\_\_

I. Fill in the metric conversion chart

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II. Tell how many steps and in what direction, left or right, you must move to get from one prefix to another prefix

1. cm to mm		
2. hg to g		
3. kL to hL		
4. m to dam		
5. mg to g		

6. cL to hL		
7. cm to dam		
8. g to hg		
9. daL to dL		
10. cm to km		

11. hg to mg		
12. L to cL		
13. mm to dam		
14. kg to g		
15. dL to hL		

III. Solve for the unknown metric unit.

- 5 g = \_\_\_\_\_ mg
- 7 L = \_\_\_\_\_ kL
- 4 m = \_\_\_\_\_ cm
- 1 g = \_\_\_\_\_ hg
- 3 daL = \_\_\_\_\_ cL
- 16 mm = \_\_\_\_\_ dam
- 3.7 g = \_\_\_\_\_ dg
- 6 kL = \_\_\_\_\_ mL
- 4 hm = \_\_\_\_\_ dm
- 160 dm = \_\_\_\_\_ dam
- 9.34 hg = \_\_\_\_\_ g
- 45.3 L = \_\_\_\_\_ cL
- 5 mg = \_\_\_\_\_ cg
- 41 m = \_\_\_\_\_ mm
- 3 m = \_\_\_\_\_ hm
- 5 kg = \_\_\_\_\_ g
- 3.4 hg = \_\_\_\_\_ g
- 3.4 hg = \_\_\_\_\_ kg
- 3.4 hg = \_\_\_\_\_ mg
- 3.4 hg = \_\_\_\_\_ cg
- 32.6 cm = \_\_\_\_\_ dm
- 14.03 hm = \_\_\_\_\_ km
- 792 g = \_\_\_\_\_ hg
- 0.018 L = \_\_\_\_\_ mL
- 9.9 km = \_\_\_\_\_ dm

IV. Solve for the unknown metric unit.

1. 23.446 mL = \_\_\_\_\_ L
2. 696.442 km = \_\_\_\_\_ dam
3. 0.987 hL = \_\_\_\_\_ dL
4. 9173.08 g = \_\_\_\_\_ mg
5. 4.668 mm = \_\_\_\_\_ hm
6. 365.885 kL = \_\_\_\_\_ L
7. 98650 m = \_\_\_\_\_ dam
8. 82764.3 mL = \_\_\_\_\_ hL
9. 123 dag = \_\_\_\_\_ g
10. 845667 hg = \_\_\_\_\_ kg
11. 99998.6 dL = \_\_\_\_\_ kL
12. 883.883 hm = \_\_\_\_\_ dm
13. 0.00045 hL = \_\_\_\_\_ dL
14. 84.572 dag = \_\_\_\_\_ dg
15. 2.1385 dam = \_\_\_\_\_ dg
16. 776.94 kL = \_\_\_\_\_ L
17. 0.009 cg = \_\_\_\_\_ mg
18. 13.606 km = \_\_\_\_\_ m
19. 0.00046 dg = \_\_\_\_\_ mg
20. 557 dam = \_\_\_\_\_ km
21. 3.48 g = \_\_\_\_\_ cg
22. 87.321 mL = \_\_\_\_\_ cL
23. 0.348 m = \_\_\_\_\_ mm
24. 287549 mm = \_\_\_\_\_ hm
25. 0.00007 dL = \_\_\_\_\_ cL
26. 0.00337 hg = \_\_\_\_\_ cg
27. 88.003 dm = \_\_\_\_\_ km
28. 73222.9 cg = \_\_\_\_\_ dag
29. 475.9 hL = \_\_\_\_\_ daL
30. 0.9986 dg = \_\_\_\_\_ mg
31. 579.42 hm = \_\_\_\_\_ km
32. 0.00245 cg = \_\_\_\_\_ g
33. 938.446 km = \_\_\_\_\_ m
34. 9.3647 kL = \_\_\_\_\_ hL
35. 346.874 cm = \_\_\_\_\_ hm
36. 5587.83 g = \_\_\_\_\_ mg
37. 465692 mg = \_\_\_\_\_ kg
38. 0.00029 m = \_\_\_\_\_ hm
39. 9833.04 g = \_\_\_\_\_ mg
40. 375.982 hL = \_\_\_\_\_ cL
41. 9123.6 mL = \_\_\_\_\_ hL
42. 86.3303 dm = \_\_\_\_\_ m
43. 3.773 hL = \_\_\_\_\_ daL
44. 87446 cL = \_\_\_\_\_ kL
45. 0.1234 hL = \_\_\_\_\_ mL
46. 743.31 dag = \_\_\_\_\_ g
47. 7634.4 cg = \_\_\_\_\_ dag
48. 3.4697 hg = \_\_\_\_\_ kg
49. 88.4 kL = \_\_\_\_\_ daL
50. 4 dam = \_\_\_\_\_ cm