

Metric Conversions Practice

Name _____ Per. _____

Move the decimal to make the following metric conversions.

1. 35 mL = _____ dL

2. 950 g = _____ kg

3. 275 mm = _____ cm

4. 1,000 L = _____ kL

5. 1,000 mL = _____ L

6. 4,500 mg = _____ g

7. 25 cm = _____ mm

8. 0.0005 kg = _____ dag

9. 0.075 m = _____ cm

10. 15 g = _____ mg

11. 103.4 cg = _____ dag

12. 0.097 km = _____ m

13. 11.7 hL = _____ dL

14. 0.13 cm = _____ mm

15. 0.078 m = _____ mm

16. 17.4 dg = _____ g

17. 25.7 dg = _____ hg

18. 13.4 hL = _____ L

19. 14.67 cg = _____ g

20. 0.578 hL = _____ cL

In each of the following comparisons, label them $>$ (*greater than*), $<$ (*less than*), or $=$ (*equal to*). If you are unsure, convert one to the other's unit to make your comparison, or convert them both to the base unit.

21. 2.1 km 21,000 dm

30. 12.9 dL 1.29 cL

22. 12.3 mm 0.123 cm

31. 16.7 g 167 cg

23. 4.57 daL 45.7 dL

32. 15,609 m 1.5609 km

24. 145.7 cg 14.57 mg

33. 145.9 mm 14.59 cm

25. 4.638 km 46.38 hm

34. 74.5 hg 745,000.0 cg

26. 88.4 hg 0.884 kg

35. 1.00 m 1000 cm

27. 32.19 hL 3.219 L

28. 12.3 cm 123.0 mm

29. 1,405 m 14.05 km