

Name _____ Date _____

Metric Units of Capacity and Mass

Which metric unit of capacity is better to measure each? Write *mL* or *L*.

- | | | |
|---------------|-------------------|----------------------|
| 1. sink _____ | 2. teaspoon _____ | 3. oil tank _____ |
| 4. cup _____ | 5. bucket _____ | 6. wading pool _____ |

Which metric unit of mass is better to measure each? Write *g* or *kg*.

- | | | |
|-----------------------|--------------------|------------------|
| 7. television _____ | 8. feather _____ | 9. apple _____ |
| 10. human being _____ | 11. scissors _____ | 12. meteor _____ |

Multiply or divide to rename each unit.

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|-------------------------|-------------------------|-------------------------|
| 13. 17 000 mL = _____ L | 14. 10 kg = _____ g | 15. 6 L = _____ mL |
| 16. 8000 g = _____ kg | 17. 3000 mL = _____ L | 18. 25 kg = _____ g |
| 19. 13 L = _____ mL | 20. 40 000 g = _____ kg | 21. 10 000 mL = _____ L |
| 22. 2 kg = _____ g | 23. 5 L = _____ mL | 24. 33 000 g = _____ kg |
| 25. 57 000 mL = _____ L | 26. 9 kg = _____ g | 27. 41 L = _____ mL |
| 28. 50 000 g = _____ kg | 29. 75 000 mL = _____ L | 30. 90 kg = _____ g |

PROBLEM SOLVING

31. A beaker in the science lab holds 2000 mL of distilled water. How many liters of water does it hold? _____
32. A rock brought back from the moon has a mass of 8 kg. What is its mass in grams? _____
33. A cafeteria chef uses 6 L of chicken broth to make chicken stew. How many milliliters of chicken broth does he use? _____
34. The chef puts 2000 g of cooked chicken into his stew. How many kilograms of chicken does he use? _____
35. During the first lunch period, students drink 13 000 mL of milk. How many liters of milk do they drink? _____
36. If the students in the cafeteria eat 10 000 g of carrots, how many kilograms of carrots do they eat? _____