

Name \_\_\_\_\_

# Converting Metric Units of Mass

Convert each unit of measurement.

1. 15,000 g = \_\_\_\_\_ kg
  2. 285 kg = \_\_\_\_\_ g
  3. 5,000 mg = \_\_\_\_\_ g
  4. 7,000 g = \_\_\_\_\_ kg
  5. 490,000 g = \_\_\_\_\_ kg
  6. 648 g = \_\_\_\_\_ mg
  7. Order the following masses from least to greatest:  
500 g, 50 kg, 5,000 mg
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Compare. Use  $<$ ,  $>$ , or  $=$ .

8. 55,000 mg  5 kg
  9. 20 g  2 kg
  10. 11 g  1,100 mg
  11. 4,000 mg  4 g
  12. What is the value of  $x$ ?  $40,000 \text{ mg} = 10x \text{ g}$   
**A** 400                      **B** 40                      **C** 4                      **D** 0.4
  13. A recipe that serves two people calls for 1,600 milligrams of baking soda. You want to make enough for 10 people. How much baking soda will you need, in grams?
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14. You want to convert 1 kilogram to milligrams. You already know that 1 kilogram = 1,000 grams. Explain how knowing that 1 gram = 1,000 milligrams can help you.
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