Name: _____ Date: _____

Ratio Application - Medium

Use a ratio, a ratio table, or a unit rate to solve each problem.

1. 1 liter = 1000 milliliters. Use ratio reasoning: how many liters are in 5,000 milliliters?

2. A recipe for juice uses 7 cups of water for every 5 cups of juice concentrate. How many cups of juice concentrate are needed with 14 cups of water?

3. A recipe for pancake batter uses 20 cups of flour and 16 cups of milk. To make a smaller batch with 5 cups of flour, how many cups of milk are needed?

4. Maya earns $21 for 3 hours of babysitting. At this rate, how many dollars for 7 hours?

5. 1 yard = 3 feet. Use ratio reasoning: how many feet are in 4.5 yards?

6. 1 pound = 16 ounces. Use ratio reasoning: how many ounces are in 5 pounds?

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Ratio Application - Medium

Use a ratio, a ratio table, or a unit rate to solve each problem.

7. 1 quart = 2 pints. Use ratio reasoning: how many quarts are in 24 pints?

8. 1 centimeter = 10 millimeters. Use ratio reasoning: how many centimeters are in 80 millimeters?

9. 1 hour = 60 minutes. Use ratio reasoning: how many minutes are in 3 hours?

10. 1 foot = 12 inches. Use ratio reasoning: how many feet are in 42 inches?

11. A recipe for green paint uses 24 cans of blue paint and 28 cans of yellow paint. To make a smaller batch with 6 cans of blue paint, how many cans of yellow paint are needed?

12. A recipe for green paint uses 7 cans of blue paint for every 2 cans of yellow paint. How many cans of yellow paint are needed with 14 cans of blue paint?

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Ratio Application - Medium

Use a ratio, a ratio table, or a unit rate to solve each problem.

13. 1 yard = 36 inches. Use ratio reasoning: how many yards are in 216 inches?

14. A recipe for green paint uses 24 cans of blue paint and 15 cans of yellow paint. To make a smaller batch with 8 cans of blue paint, how many cans of yellow paint are needed?

15. 1 pound = 16 ounces. Use ratio reasoning: how many pounds are in 104 ounces?

16. 1 cup = 8 fluid ounces. Use ratio reasoning: how many cups are in 96 fluid ounces?

Ratio Application - Medium - Answer Key

1. 1 liter = 1000 milliliters. Use ratio reasoning: how many liters are in 5,000 milliliters?

   5 liters

2. A recipe for juice uses 7 cups of water for every 5 cups of juice concentrate. How many cups of juice concentrate are needed with 14 cups of water?

   10 cups of juice concentrate

3. A recipe for pancake batter uses 20 cups of flour and 16 cups of milk. To make a smaller batch with 5 cups of flour, how many cups of milk are needed?

   4 cups of milk

4. Maya earns $21 for 3 hours of babysitting. At this rate, how many dollars for 7 hours?

   49 dollars

5. 1 yard = 3 feet. Use ratio reasoning: how many feet are in 4.5 yards?

   13.5 feet

6. 1 pound = 16 ounces. Use ratio reasoning: how many ounces are in 5 pounds?

   80 ounces

Ratio Application - Medium - Answer Key

7. 1 quart = 2 pints. Use ratio reasoning: how many quarts are in 24 pints?

   12 quarts

8. 1 centimeter = 10 millimeters. Use ratio reasoning: how many centimeters are in 80 millimeters?

   8 centimeters

9. 1 hour = 60 minutes. Use ratio reasoning: how many minutes are in 3 hours?

   180 minutes

10. 1 foot = 12 inches. Use ratio reasoning: how many feet are in 42 inches?

    3.5 feet

11. A recipe for green paint uses 24 cans of blue paint and 28 cans of yellow paint. To make a smaller batch with 6 cans of blue paint, how many cans of yellow paint are needed?

    7 cans of yellow paint

12. A recipe for green paint uses 7 cans of blue paint for every 2 cans of yellow paint. How many cans of yellow paint are needed with 14 cans of blue paint?

    4 cans of yellow paint

Ratio Application - Medium - Answer Key

13. 1 yard = 36 inches. Use ratio reasoning: how many yards are in 216 inches?

    6 yards

14. A recipe for green paint uses 24 cans of blue paint and 15 cans of yellow paint. To make a smaller batch with 8 cans of blue paint, how many cans of yellow paint are needed?

    5 cans of yellow paint

15. 1 pound = 16 ounces. Use ratio reasoning: how many pounds are in 104 ounces?

    6.5 pounds

16. 1 cup = 8 fluid ounces. Use ratio reasoning: how many cups are in 96 fluid ounces?

    12 cups