	Using Ratio Equations	Name:

Solve each problem.

1) For each kilogram there are 1,000 grams. This can be expressed using the equation y × 1,000 = Z, where y is equal to the number of kilogram and Z is equal to the total number of grams. Using this equation find the total grams in 2 kilograms.

2) Every quart is 2 pints. This can be expressed using the equation y × 2 = Z, where y is equal to the number of quarts and Z is equal to the total number of pints. Using this equation find the total pints in 7 quarts.

3) Every liter is 1,000 milliliters. This can be expressed using the equation y × 1,000 = Z, where y is equal to the number of liters and Z is equal to the total number of milliliters. Using this equation find the total milliliters in 6 liters.

4) Every quarter is 5 nickels. This can be expressed using the equation y × 5 = Z, where y is equal to the number of quarters and Z is equal to the total number of nickels. Using this equation find the total nickels in 4 quarters.

5) Every kilometer is 1,000 meters. This can be expressed using the equation y × 1,000 = Z, where y is equal to the number of kilometers and Z is equal to the total number of meters. Using this equation find the total meters in 6 kilometers.

6) Every gallon is 4 quarts. This can be expressed using the equation y × 4 = Z, where y is equal to the number of gallons and Z is equal to the total number of quarts. Using this equation find the total quarts in 7 gallons.

7) Every dollar is 100 pennies. This can be expressed using the equation y × 100 = Z, where y is equal to the number of dollars and Z is equal to the total number of pennies. Using this equation find the total pennies in 6 dollars.

8) Every centimeter is 10 millimeters. This can be expressed using the equation y × 10 = Z, where y is equal to the number of centimeters and Z is equal to the total number of millimeters. Using this equation find the total millimeters in 4 centimeters.

9) For each pound there are 16 ounces. This can be expressed using the equation y × 16 = Z, where y is equal to the number of pounds and Z is equal to the total number of ounces. Using this equation find the total ounces in 8 pounds.

10) Every foot is 12 inches. This can be expressed using the equation y × 12 = Z, where y is equal to the number of feet and Z is equal to the total number of inches. Using this equation find the total inches in 10 feet.

11) Every cup is 8 ounces. This can be expressed using the equation y × 8 = Z, where y is equal to the number of cups and Z is equal to the total number of ounces. Using this equation find the total ounces in 6 cups.

12) Every dollar is 10 dimes. This can be expressed using the equation y × 10 = Z, where y is equal to the number of dollars and Z is equal to the total number of dimes. Using this equation find the total dimes in 10 dollars.

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Solve each problem.

1) For each kilogram there are 1,000 grams. This can be expressed using the equation y × 1,000 = Z, where y is equal to the number of kilogram and Z is equal to the total number of grams. Using this equation find the total grams in 2 kilograms.

1. ___**2,000**___

2) Every quart is 2 pints. This can be expressed using the equation y × 2 = Z, where y is equal to the number of quarts and Z is equal to the total number of pints. Using this equation find the total pints in 7 quarts.

2. ___**14**___

3) Every liter is 1,000 milliliters. This can be expressed using the equation y × 1,000 = Z, where y is equal to the number of liters and Z is equal to the total number of milliliters. Using this equation find the total milliliters in 6 liters.

3. ___**6,000**___

4) Every quarter is 5 nickels. This can be expressed using the equation y × 5 = Z, where y is equal to the number of quarters and Z is equal to the total number of nickels. Using this equation find the total nickels in 4 quarters.

4. ___**20**___

5. ___**6,000**___

5) Every kilometer is 1,000 meters. This can be expressed using the equation y × 1,000 = Z, where y is equal to the number of kilometers and Z is equal to the total number of meters. Using this equation find the total meters in 6 kilometers.

6. ___**28**___

7. ___**600**___

6) Every gallon is 4 quarts. This can be expressed using the equation y × 4 = Z, where y is equal to the number of gallons and Z is equal to the total number of quarts. Using this equation find the total quarts in 7 gallons.

8. ___**40**___

9. ___**128**___

7) Every dollar is 100 pennies. This can be expressed using the equation y × 100 = Z, where y is equal to the number of dollars and Z is equal to the total number of pennies. Using this equation find the total pennies in 6 dollars.

10. ___**120**___

11. ___**48**___

8) Every centimeter is 10 millimeters. This can be expressed using the equation y × 10 = Z, where y is equal to the number of centimeters and Z is equal to the total number of millimeters. Using this equation find the total millimeters in 4 centimeters.

12. ___**100**___

9) For each pound there are 16 ounces. This can be expressed using the equation y × 16 = Z, where y is equal to the number of pounds and Z is equal to the total number of ounces. Using this equation find the total ounces in 8 pounds.

10) Every foot is 12 inches. This can be expressed using the equation y × 12 = Z, where y is equal to the number of feet and Z is equal to the total number of inches. Using this equation find the total inches in 10 feet.

11) Every cup is 8 ounces. This can be expressed using the equation y × 8 = Z, where y is equal to the number of cups and Z is equal to the total number of ounces. Using this equation find the total ounces in 6 cups.

12) Every dollar is 10 dimes. This can be expressed using the equation y × 10 = Z, where y is equal to the number of dollars and Z is equal to the total number of dimes. Using this equation find the total dimes in 10 dollars.

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11-12	8	0								