Writing Equations from Ratios

Name: _____

Solve each problem.

Ex) Every quart is 2 pints. Write an equation to express the total number of pints (Z) in (y) quarts.

Ex. **y × 2 = Z**

1) Every dollar is 10 dimes. Write an equation to express the total number of dimes (Z) in (y) dollars.

1. _____

2) Every centimeter is 10 millimeters. Write an equation to express the total number of millimeters (Z) in (y) centimeters.

2. _____

3. _____

3) Every cup is 8 ounces. Write an equation to express the total number of ounces (Z) in (y) cups.

4. _____

4) Every quarter is 5 nickels. Write an equation to express the total number of nickels (Z) in (y) quarters.

5. _____

5) Every yard is 3 feet. Write an equation to express the total number of feet (Z) in (y) yards.

6. _____

6) Every dollar is 100 pennies. Write an equation to express the total number of pennies (Z) in (y) dollars.

7. _____

8. _____

7) For each pound there are 16 ounces. Write an equation to express the total number of ounces (Z) in (y) pounds.

9. _____

8) Every gallon is 4 quarts. Write an equation to express the total number of quarts (Z) in (y) gallons.

10. _____

9) Every foot is 12 inches. Write an equation to express the total number of inches (Z) in (y) feet.

11. _____

12. _____

10) Every dollar is 4 quarters. Write an equation to express the total number of quarters (Z) in (y) dollars.

13. _____

11) For each kilogram there are 1,000 grams. Write an equation to express the total number of grams (Z) in (y) kilograms.

14. _____

12) Every pint is 2 cups. Write an equation to express the total number of cups (Z) in (y) pints.

15. _____

13) Every quarter is 25 pennies. Write an equation to express the total number of pennies (Z) in (y) quarters.

14) Every liter is 1,000 milliliters. Write an equation to express the total number of milliliters (Z) in (y) liters.

15) Every kilometer is 1,000 meters. Write an equation to express the total number of meters (Z) in (y) kilometers.

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1-10	93	87	80	73	67	60	53	47	40	33
11-15	27	20	13	7	0					

Solve each problem.

Ex) Every quart is 2 pints. Write an equation to express the total number of pints (Z) in (y) quarts.

Ex. $\underline{\quad \mathbf{y \times 2 = Z} \quad}$

1) Every dollar is 10 dimes. Write an equation to express the total number of dimes (Z) in (y) dollars.

1. $\underline{\quad \mathbf{y \times 10 = Z} \quad}$

2) Every centimeter is 10 millimeters. Write an equation to express the total number of millimeters (Z) in (y) centimeters.

2. $\underline{\quad \mathbf{y \times 10 = Z} \quad}$

3) Every cup is 8 ounces. Write an equation to express the total number of ounces (Z) in (y) cups.

3. $\underline{\quad \mathbf{y \times 8 = Z} \quad}$

4) Every quarter is 5 nickels. Write an equation to express the total number of nickels (Z) in (y) quarters.

4. $\underline{\quad \mathbf{y \times 5 = Z} \quad}$

5) Every yard is 3 feet. Write an equation to express the total number of feet (Z) in (y) yards.

5. $\underline{\quad \mathbf{y \times 3 = Z} \quad}$

6) Every dollar is 100 pennies. Write an equation to express the total number of pennies (Z) in (y) dollars.

6. $\underline{\quad \mathbf{y \times 100 = Z} \quad}$

7) For each pound there are 16 ounces. Write an equation to express the total number of ounces (Z) in (y) pounds.

7. $\underline{\quad \mathbf{y \times 16 = Z} \quad}$

8) Every gallon is 4 quarts. Write an equation to express the total number of quarts (Z) in (y) gallons.

8. $\underline{\quad \mathbf{y \times 4 = Z} \quad}$

9) Every foot is 12 inches. Write an equation to express the total number of inches (Z) in (y) feet.

9. $\underline{\quad \mathbf{y \times 12 = Z} \quad}$

10) Every dollar is 4 quarters. Write an equation to express the total number of quarters (Z) in (y) dollars.

10. $\underline{\quad \mathbf{y \times 4 = Z} \quad}$

11) For each kilogram there are 1,000 grams. Write an equation to express the total number of grams (Z) in (y) kilograms.

11. $\underline{\quad \mathbf{y \times 1,000 = Z} \quad}$

12) Every pint is 2 cups. Write an equation to express the total number of cups (Z) in (y) pints.

12. $\underline{\quad \mathbf{y \times 2 = Z} \quad}$

13) Every quarter is 25 pennies. Write an equation to express the total number of pennies (Z) in (y) quarters.

13. $\underline{\quad \mathbf{y \times 25 = Z} \quad}$

14) Every liter is 1,000 milliliters. Write an equation to express the total number of milliliters (Z) in (y) liters.

14. $\underline{\quad \mathbf{y \times 1,000 = Z} \quad}$

15) Every kilometer is 1,000 meters. Write an equation to express the total number of meters (Z) in (y) kilometers.

15. $\underline{\quad \mathbf{y \times 1,000 = Z} \quad}$

1-10	93	87	80	73	67	60	53	47	40	33
11-15	27	20	13	7	0					