Writing Equations from Ratios

Name:

Solve each problem.

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

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

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

1. _____

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

2. _____

3. _____

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

4. _____

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

5. _____

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

6. _____

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

7. _____

8. _____

7) Every meter is 100 centimeters. Write an equation to express the total number of centimeters (Z) in (y) meters.

9. _____

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

10. _____

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

11. _____

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

12. _____

13. _____

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

14. _____

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

15. _____

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

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

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

Math

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

Name:

Solve each problem.

Answers

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

Ex. $y \times 2 = Z$

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

1. $y \times 10 = Z$

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

2. $y \times 25 = Z$

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

3. $y \times 4 = Z$

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

4. $y \times 10 = Z$

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

5. $y \times 12 = Z$

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

6. $y \times 1,000 = Z$

7) Every meter is 100 centimeters. Write an equation to express the total number of centimeters (Z) in (y) meters.

7. $y \times 100 = Z$

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

8. $y \times 16 = Z$

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

9. $y \times 100 = Z$

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

10. $y \times 5 = Z$

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

11. $y \times 1,000 = Z$

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

12. $y \times 4 = Z$

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

13. $y \times 2 = Z$

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

14. $y \times 8 = Z$

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

15. $y \times 1,000 = Z$

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