Solve each problem.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

15) Every liter is 1,000 milliliters. Write an equation to express the total number of milliliters (Z) in (y) liters.
Writing Equations from Ratios

Solve each problem.

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

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

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

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

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

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

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

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

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

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

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