

**Solve each problem.****Answers**

- 1) Every kilometer is 1,000 meters. Write an equation to express the total number of meters (Z) in (y) kilometers.
- 2) For each pound there are 16 ounces. Write an equation to express the total number of ounces (Z) in (y) pounds.
- 3) Every quarter is 5 nickels. Write an equation to express the total number of nickels (Z) in (y) quarters.
- 4) Every yard is 3 feet. Write an equation to express the total number of feet (Z) in (y) yards.
- 5) Every dollar is 10 dimes. Write an equation to express the total number of dimes (Z) in (y) dollars.
- 6) Every pint is 2 cups. Write an equation to express the total number of cups (Z) in (y) pints.
- 7) Every meter is 100 centimeters. Write an equation to express the total number of centimeters (Z) in (y) meters.
- 8) Every liter is 1,000 milliliters. Write an equation to express the total number of milliliters (Z) in (y) liters.
- 9) Every dollar is 4 quarters. Write an equation to express the total number of quarters (Z) in (y) dollars.
- 10) Every foot is 12 inches. Write an equation to express the total number of inches (Z) in (y) feet.
- 11) Every dollar is 100 pennies. Write an equation to express the total number of pennies (Z) in (y) dollars.
- 12) Every centimeter is 10 millimeters. Write an equation to express the total number of millimeters (Z) in (y) centimeters.
- 13) Every quarter is 25 pennies. Write an equation to express the total number of pennies (Z) in (y) quarters.
- 14) For each kilogram there are 1,000 grams. Write an equation to express the total number of grams (Z) in (y) kilograms.
- 15) Every quart is 2 pints. Write an equation to express the total number of pints (Z) in (y) quarts.

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**Answers**

1.  $y \times 1,000 = Z$
2.  $y \times 16 = Z$
3.  $y \times 5 = Z$
4.  $y \times 3 = Z$
5.  $y \times 10 = Z$
6.  $y \times 2 = Z$
7.  $y \times 100 = Z$
8.  $y \times 1,000 = Z$
9.  $y \times 4 = Z$
10.  $y \times 12 = Z$
11.  $y \times 100 = Z$
12.  $y \times 10 = Z$
13.  $y \times 25 = Z$
14.  $y \times 1,000 = Z$
15.  $y \times 2 = Z$