



**Solve each problem.**

**Answers**

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

Ex.  $y \times 10 = Z$

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

1. \_\_\_\_\_

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

2. \_\_\_\_\_

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

3. \_\_\_\_\_

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

4. \_\_\_\_\_

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

5. \_\_\_\_\_

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

6. \_\_\_\_\_

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

7. \_\_\_\_\_

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

8. \_\_\_\_\_

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

9. \_\_\_\_\_

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

10. \_\_\_\_\_

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

11. \_\_\_\_\_

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

12. \_\_\_\_\_

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

13. \_\_\_\_\_

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

14. \_\_\_\_\_

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

15. \_\_\_\_\_

**Solve each problem.**

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

**Answers**

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