

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

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

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

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

1. _____

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

2. _____

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

3. _____

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

4. _____

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

5. _____

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

6. _____

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

7. _____

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

8. _____

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

9. _____

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

10. _____

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

11. _____

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

12. _____

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

13. _____

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

14. _____

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

15. _____

**Solve each problem.**

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

Answers

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