

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

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

Ex. $y \times 3 = Z$

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

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14. _____
15. _____

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Answers

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