Solve each problem.

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

Ex. _____ **y × 4 = Z** _____

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

1. _____

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

2. _____

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

3. _____

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

4. _____

5. _____

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

6. _____

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

7. _____

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

8. _____

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

9. _____

10. _____

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

11. _____

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

12. _____

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

13. _____

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

14. _____

15. _____

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

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

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

1-10	93	87	80	73	67	60	53	47	40	33
11-15	27	20	13	7	0					

Solve each problem.

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Ex. **y × 4 = Z**

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

1. **y × 4 = Z**

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

2. **y × 10 = Z**

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

3. **y × 8 = Z**

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

4. **y × 2 = Z**

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

5. **y × 16 = Z**

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

6. **y × 1,000 = Z**

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

7. **y × 1,000 = Z**

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

8. **y × 25 = Z**

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

9. **y × 3 = Z**

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

10. **y × 5 = Z**

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

11. **y × 100 = Z**

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

12. **y × 12 = Z**

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

13. **y × 100 = Z**

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

14. **y × 1,000 = Z**

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

15. **y × 2 = Z**

1-10	93	87	80	73	67	60	53	47	40	33
11-15	27	20	13	7	0					