Writing Equations from Ratios

Name:

Solve each problem.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Answers

Ex. $y \times 4 = Z$

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____

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

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Answers

Ex. $y \times 4 = Z$

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

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11-15	27	20	13	7	0					