Using Ratio Equations

Name:

Solve each problem.

Ex) Every dollar is 100 pennies. This can be expressed using the equation y × 100 = Z, where y is equal to the number of dollars and Z is equal to the total number of pennies. Using this equation find the total pennies in 4 dollars.

1) Every yard is 3 feet. This can be expressed using the equation y × 3 = Z, where y is equal to the number of yards and Z is equal to the total number of feet. Using this equation find the total feet in 3 yards.

2) Every dollar is 10 dimes. This can be expressed using the equation y × 10 = Z, where y is equal to the number of dollars and Z is equal to the total number of dimes. Using this equation find the total dimes in 6 dollars.

3) Every dollar is 4 quarters. This can be expressed using the equation y × 4 = Z, where y is equal to the number of dollars and Z is equal to the total number of quarters. Using this equation find the total quarters in 9 dollars.

4) Every quarter is 5 nickels. This can be expressed using the equation y × 5 = Z, where y is equal to the number of quarters and Z is equal to the total number of nickels. Using this equation find the total nickels in 8 quarters.

5) For each kilogram there are 1,000 grams. This can be expressed using the equation y × 1,000 = Z, where y is equal to the number of kilogram and Z is equal to the total number of grams. Using this equation find the total grams in 2 kilograms.

6) Every quart is 2 pints. This can be expressed using the equation y × 2 = Z, where y is equal to the number of quarts and Z is equal to the total number of pints. Using this equation find the total pints in 6 quarts.

7) Every liter is 1,000 milliliters. This can be expressed using the equation y × 1,000 = Z, where y is equal to the number of liters and Z is equal to the total number of milliliters. Using this equation find the total milliliters in 7 liters.

8) For each pound there are 16 ounces. This can be expressed using the equation y × 16 = Z, where y is equal to the number of pounds and Z is equal to the total number of ounces. Using this equation find the total ounces in 10 pounds.

9) Every cup is 8 ounces. This can be expressed using the equation y × 8 = Z, where y is equal to the number of cups and Z is equal to the total number of ounces. Using this equation find the total ounces in 5 cups.

10) Every kilometer is 1,000 meters. This can be expressed using the equation y × 1,000 = Z, where y is equal to the number of kilometers and Z is equal to the total number of meters. Using this equation find the total meters in 2 kilometers.

11) Every centimeter is 10 millimeters. This can be expressed using the equation y × 10 = Z, where y is equal to the number of centimeters and Z is equal to the total number of millimeters. Using this equation find the total millimeters in 6 centimeters.

12) Every gallon is 4 quarts. This can be expressed using the equation y × 4 = Z, where y is equal to the number of gallons and Z is equal to the total number of quarts. Using this equation find the total quarts in 3 gallons.

Answers

Ex. 400

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

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Using Ratio Equations

Name: **Answer Key**

Solve each problem.

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Answers

Ex.	400
1.	9
2.	60
3.	36
4.	40
5.	2,000
6.	12
7.	7,000
8.	160
9.	40
10.	2,000
11.	60
12.	12

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								