



Using Ratio Equations

Name: _____

Solve each problem.

Answers

Ex) For each pound there are 16 ounces. This can be expressed using the equation $y \times 16 = Z$, 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 4 pounds.

Ex. **64**

1) Every quarter is 5 nickels. This can be expressed using the equation $y \times 5 = Z$, 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 10 quarters.

1. _____

2) Every yard is 3 feet. This can be expressed using the equation $y \times 3 = Z$, 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 7 yards.

2. _____

3) Every liter is 1,000 milliliters. This can be expressed using the equation $y \times 1,000 = Z$, 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 2 liters.

3. _____

4) Every cup is 8 ounces. This can be expressed using the equation $y \times 8 = Z$, 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 10 cups.

4. _____

5) Every dollar is 100 pennies. This can be expressed using the equation $y \times 100 = Z$, 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 10 dollars.

5. _____

6) Every quart is 2 pints. This can be expressed using the equation $y \times 2 = Z$, 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 10 quarts.

6. _____

7) Every pint is 2 cups. This can be expressed using the equation $y \times 2 = Z$, where y is equal to the number of pints and Z is equal to the total number of cups. Using this equation find the total cups in 5 pints.

7. _____

8) Every meter is 100 centimeters. This can be expressed using the equation $y \times 100 = Z$, where y is equal to the number of meters and Z is equal to the total number of centimeters. Using this equation find the total centimeters in 2 meters.

8. _____

9) Every centimeter is 10 millimeters. This can be expressed using the equation $y \times 10 = Z$, 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 8 centimeters.

9. _____

10) Every dollar is 10 dimes. This can be expressed using the equation $y \times 10 = Z$, 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 9 dollars.

10. _____

11) Every gallon is 4 quarts. This can be expressed using the equation $y \times 4 = Z$, 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 8 gallons.

11. _____

12) Every foot is 12 inches. This can be expressed using the equation $y \times 12 = Z$, where y is equal to the number of feet and Z is equal to the total number of inches. Using this equation find the total inches in 7 feet.

12. _____



Using Ratio Equations

Name: **Answer Key**

Solve each problem.

Ex) For each pound there are 16 ounces. This can be expressed using the equation $y \times 16 = Z$, 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 4 pounds.

- 1)** Every quarter is 5 nickels. This can be expressed using the equation $y \times 5 = Z$, 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 10 quarters.
- 2)** Every yard is 3 feet. This can be expressed using the equation $y \times 3 = Z$, 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 7 yards.
- 3)** Every liter is 1,000 milliliters. This can be expressed using the equation $y \times 1,000 = Z$, 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 2 liters.
- 4)** Every cup is 8 ounces. This can be expressed using the equation $y \times 8 = Z$, 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 10 cups.
- 5)** Every dollar is 100 pennies. This can be expressed using the equation $y \times 100 = Z$, 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 10 dollars.
- 6)** Every quart is 2 pints. This can be expressed using the equation $y \times 2 = Z$, 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 10 quarts.
- 7)** Every pint is 2 cups. This can be expressed using the equation $y \times 2 = Z$, where y is equal to the number of pints and Z is equal to the total number of cups. Using this equation find the total cups in 5 pints.
- 8)** Every meter is 100 centimeters. This can be expressed using the equation $y \times 100 = Z$, where y is equal to the number of meters and Z is equal to the total number of centimeters. Using this equation find the total centimeters in 2 meters.
- 9)** Every centimeter is 10 millimeters. This can be expressed using the equation $y \times 10 = Z$, 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 8 centimeters.
- 10)** Every dollar is 10 dimes. This can be expressed using the equation $y \times 10 = Z$, 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 9 dollars.
- 11)** Every gallon is 4 quarts. This can be expressed using the equation $y \times 4 = Z$, 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 8 gallons.
- 12)** Every foot is 12 inches. This can be expressed using the equation $y \times 12 = Z$, where y is equal to the number of feet and Z is equal to the total number of inches. Using this equation find the total inches in 7 feet.

Answers

Ex. **64**

1. **50**

2. **21**

3. **2,000**

4. **80**

5. **1,000**

6. **20**

7. **10**

8. **200**

9. **80**

10. **90**

11. **32**

12. **84**