

**Solve each problem.**

- 1) For each kilogram there are 1,000 grams. This can be expressed using the equation $y \times 1,000 = Z$, 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 10 kilograms.
- 2) Every kilometer is 1,000 meters. This can be expressed using the equation $y \times 1,000 = Z$, 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 7 kilometers.
- 3) 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 6 quarts.
- 4) 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 6 liters.
- 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 3 dollars.
- 6) Every dollar is 4 quarters. This can be expressed using the equation $y \times 4 = Z$, 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 4 dollars.
- 7) 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 10 feet.
- 8) 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 4 gallons.
- 9) 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 10 yards.
- 10) 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 5 pounds.
- 11) 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 6 pints.
- 12) 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 7 meters.

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

**Solve each problem.**

- 1) For each kilogram there are 1,000 grams. This can be expressed using the equation $y \times 1,000 = Z$, 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 10 kilograms.
- 2) Every kilometer is 1,000 meters. This can be expressed using the equation $y \times 1,000 = Z$, 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 7 kilometers.
- 3) 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 6 quarts.
- 4) 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 6 liters.
- 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 3 dollars.
- 6) Every dollar is 4 quarters. This can be expressed using the equation $y \times 4 = Z$, 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 4 dollars.
- 7) 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 10 feet.
- 8) 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 4 gallons.
- 9) 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 10 yards.
- 10) 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 5 pounds.
- 11) 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 6 pints.
- 12) 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 7 meters.

Answers

1. 10,000
2. 7,000
3. 12
4. 6,000
5. 300
6. 16
7. 120
8. 16
9. 30
10. 80
11. 12
12. 700