Solve each problem.

1) 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 7 pints.

2) 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 3 pounds.

3) 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 6 gallons.

4) 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 7 quarters.

5) 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) 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.

7) 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.

8) 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 10 kilometers.

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 4 centimeters.

10) Every quarter is 25 pennies. This can be expressed using the equation \(y \times 25 = Z\), where \(y\) is equal to the number of quarters and \(Z\) is equal to the total number of pennies. Using this equation find the total pennies in 7 quarters.

11) 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 8 dollars.

12) 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 4 cups.
Solve each problem.

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2) 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 2 feet.

3) Every quarter is 25 pennies. This can be expressed using the equation \(y \times 25 = Z\), where \(y\) is equal to the number of quarters and \(Z\) is equal to the total number of pennies. Using this equation find the total pennies in 8 quarters.

4) 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 9 kilometers.

5) 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 6 gallons.

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7) 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 4 meters.

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12) 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 9 cups.
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10) 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 5 liters.

11) 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 9 centimeters.

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10) 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 5 liters.

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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.

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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.

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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.

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8) 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 4 centimeters.

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5) 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.

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 3 quarts.

7) 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 5 gallons.

8) Every quarter is 25 pennies. This can be expressed using the equation \( y \times 25 = Z \), where \( y \) is equal to the number of quarters and \( Z \) is equal to the total number of pennies. Using this equation find the total pennies in 10 quarters.

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 4 centimeters.

10) 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.

11) 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 2 dollars.

12) 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 10 dollars.
Solve each problem.

1) 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 7 dollars.

2) 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 4 liters.

3) 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 3 quarters.

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**Answers**

1. 700
2. 4,000
3. 15
4. 6
5. 21
6. 6
7. 20
8. 250
9. 40
10. 120
11. 20
12. 40
Solve each problem.

1) 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 2 feet.

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 8 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 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.

5) 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.

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11) 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 9 kilograms.

12) 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 2 dollars.
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11) 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 3 liters.

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3) 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 5 centimeters.

4) 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.

5) 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 8 liters.

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 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 2 dollars.

8) 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 2 pints.

9) 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 4 kilograms.

10) 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 3 kilometers.

11) 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 4 feet.

12) 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 9 quarts.
Solve each problem.

1) 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 4 dollars.

2) 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 6 quarters.

3) 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 5 centimeters.

4) 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.

5) 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 8 liters.

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 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 2 dollars.

8) 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 2 pints.

9) 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 4 kilograms.

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