

**Solve each problem.****Answers**

- Ex)** 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.
- 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 6 dollars.
- 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 6 pounds.
- 3) 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 5 kilograms.
- 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 10 liters.
- 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 3 gallons.
- 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 5 dollars.
- 7) 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.
- 8) 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 7 dollars.
- 9) 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 3 pints.
- 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 5 quarters.
- 11) 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.
- 12) 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.

Ex. 24

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12. \_\_\_\_\_



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Answers

- Ex. 24
1. 600
2. 96
3. 5,000
4. 10,000
5. 12
6. 20
7. 50
8. 70
9. 6
10. 125
11. 9,000
12. 21