



Solve each problem.

**Answers**

- Ex)** 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.
- 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 3 pints.
  - 2) 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 2 gallons.
  - 3) 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.
  - 4) 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 5 dollars.
  - 5) 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.
  - 6) 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.
  - 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 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.
  - 9) 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 6 quarters.
  - 10) 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.
  - 11) 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.
  - 12) 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.

- Ex. 20
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  11. \_\_\_\_\_
  12. \_\_\_\_\_



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**Answers**

- Ex. 20
1. 6
2. 8
3. 16
4. 50
5. 84
6. 10,000
7. 6,000
8. 80
9. 150
10. 15
11. 21
12. 9,000