

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

- Ex)** 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 9 pints.
- 1) 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.
- 2) 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.
- 3) 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 2 yards.
- 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 2 kilometers.
- 5) 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 8 dollars.
- 6) 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.
- 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 7 centimeters.
- 8) 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.
- 9) 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.
- 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 7 pounds.
- 11) 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.
- 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 4 meters.

- Ex. **18**
1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
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11. \_\_\_\_\_
12. \_\_\_\_\_



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**Answers**

- Ex. 18
1. 24
2. 40
3. 6
4. 2,000
5. 80
6. 24
7. 70
8. 20
9. 30
10. 112
11. 600
12. 400