

Name:

Date:

## Multiplication and Division

Solve the following and state **why** the problem is a multiplication or division .

1. There are 11 boxes of chalk. Each box has 10 pieces of chalk. What is the total amount of chalk in all the boxes?
2. There are 120 pieces of chalk in 10 boxes. Each box has the same amount of chalk. How many pieces of chalk in each box?
3. It takes 2 ounces of soap for each load of laundry. The soap comes in an 84-ounce bottle. How many lodes of laundry can be washed with 1 full bottle?
4. Joe bought 9 pens for \$ 1.74 each. How much did he pay for the pens?
5. Joe works for \$7.00 an hour. He worked for 55 hours last week. He gets paid double for all hours over 40 hours that he works in 1 week. How much will he be paid for the week?
6. A recipe calls for 2 and  $\frac{1}{4}$  cups of sugar. Jill wants to triple the recipe. How many cups of sugar will she need? Record your answer in decimal form to the nearest one hundredth.
7. A room has 924 square feet of wall space to be painted. 1 gallon will cover 132 square feet. Paint costs \$5.55 a gallon. How much will it cost to paint the room?

## **Answers:**

1. **110 pieces of chalk**---- Multiply when the problem wants to know a total and the numbers are the same.
2. **12 pieces** ----Divide when the problem wants to know what one, each, or per is.
3. **42 lodes**----Divide when the problem asks or implies how many sets of numbers are inside of another number.
4. **\$15.66**---- Multiply when the problem wants to know a total and the numbers are the same.
5. **\$490**---- Multiply when the problem wants to know a total and the numbers are the same.
6. **6.75cups**---- Multiply when the problem wants to know a total and the numbers are the same.
7. **\$38.85**---- Divide when the problem asks or implies how many sets of numbers are inside of another number and multiply when the problem wants to know a total and the numbers are the same.