Name _____   Date _____

Converting Standard Sized Units of Measurement - Guided Lesson Explanation

Explanation#1

Step 1) First we look to see what is being asked to us.

"Is the volume of 10 – 1 ounce pepper shakers greater than 1 cup?"

Step 2) We know that-

    1 cup = 8 fluid ounces

Step 3) First we have to find the volume of 10 pepper shakers in ounces.

    Then multiply 10 times the volume.

    10 x 1 = 10

    The volume of 10 pepper shakers is 10 fluid ounces.

Step 4) Now we will compare 10 fluid ounces to 1 cup.

    1 cup is the same as 8 fluid ounces. 10 fluid ounces is more than 8 fluid ounces.

    10 fluid ounces is more than 1 cup.

    So, the volume of 10 pepper shakers is more than 1 cup.

Explanation#2

Step 1) First we look to see what is being asked to us.

"If you placed 10 chocolate sticks in a line, would they be longer than 4 feet?"

Step 2) We know that-

    1 foot = 12 inches

Step 3) First we have to find the length of 10 chocolate sticks.

    Then multiply 10 times the length.

    10 x 4 = 40

    10 chocolate sticks are 40 inches long.

Step 4) Now we will compare 40 inches to 4 feet.

There are 12 inches in a foot.

We have to find out that how many inches are in 4 feet.

Multiply 4 times the conversion above.

4 x 12 = 48

There are 48 inches in 4 feet.   40 inches < 48 inches.

The answer is: No, it would be less than 4 feet.

Explanation#3

Step 1) First we look to see what is being asked to us.

"A glass weighs 2 ounces. Do 6 glasses weigh more than 1 pound?"

Step 2) We know that-

    1 pound = 16 ounces

Step 3) First we have to find the weight of 6 glasses.

    Then multiply 6 times the weight.

    6 x 2 = 12

    6 glasses weigh 12 ounces.

Step 4) Now we will compare 12 ounces to 1 pound.

    1 pound is the same as 16 ounces. 16 ounces is more than 12 ounces.

    12 ounces is less than 1 pound.

    So, 6 glasses is less than than 1 pound.