A candy store sells chocolate for $7.70 per pound. The piece you want to buy weighs 0. 11 pound. How much will it cost, to the nearest cent?

Step 1:

A quantity's units provide information about the object being measured or counted.

Only when two numbers have the same units can they be added or subtracted.

Numbers can be divided or multiplied at any time; new units will be created.

Step 2: Answer with Explanation

A candy shop charges $7.70 a pound for chocolate.

You wish to purchase a component that weighs 0.11pound.

The price and weight have been added by the student. These are two distinct amounts with two distinct units. You cannot include them.

The right solution is 7.7 x 0.11 = $0.847.

The appropriate answer for students is: $7.77/lb x.11 lb = $.85