

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## **Steel Plates on a 1-ton Truck**

You are loading  $\frac{1}{4}$ " steel plates into the bed of a 1-ton pickup. A  $\frac{1}{4}$ " steel plate weighs about 10.2 pounds per square foot. How many 2' by 4' steel plates can you load onto the bed of this pickup?

Extension: One online vendor sells 2' by 4' quarter-inch steel plates for \$152.01. How much are the steel plates in the back of the pickup worth?

*Show your work, and write your answer in a complete sentence.*