



Name _____

Period _____

Product Order Form (50 Points)

The purpose of this unit is to give students a chance to design an order form for the product that they will build and sell. Students will use the a spreadsheet computer program to create an order form in which they can print for use in placing orders as well as for compiling the total orders placed for each group. The students will also determine the costs associated with the production of their products and calculate the amount of raw materials that will be necessary to produce their products. Students must also determine the sales price for their product.

The computer lab to will be open to the students in order to complete the assignment. Students will use a spreadsheet computer program to create the order form and to track orders. They must first manually calculate the board feet of material that will be required to complete each product. Once the material is calculated the students must determine the costs associated with the production of the product. After the costs and supplies have been calculated, students must develop their order form. The completed order form should be done in a professional manner so students can present family, friends, and others with it in order to secure sales of their product.

Time given to complete: Students will be given five class periods in which to complete the design of their order form. The five class periods includes all the time necessary to calculate materials and costs, design, finalize their order form. All student designs must be approved by the instructor prior to being allowed to begin sales of their product. Students will work in their project groups in order to complete the order form in the time allotted.

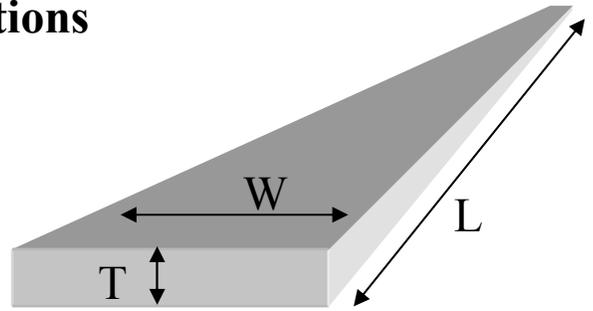
Students are free to design their order form in a way that they feel best promotes their product. The order form should contain still photos of the product as well as information about the cost and how to contact the students to place an order. Each order form should include an area for customers to write down their names and contact information as well as how many products they would like to order. The completed form must be appropriate for the intended purpose of promoting and purchasing the student constructed product.

Students will be required to turn in a copy of the paper order form as well as a copy of the computer order form saved to a disk. One copy of each will be required for each group.

Name: _____

Board Feet Calculations

$$\text{Board Feet} = \frac{T \times W \times L \text{ (in inches)}}{144 \text{ inches}}$$



Directions: Rough lumber (not surfaced) is sold based on the thickness. It comes in multiples of $\frac{1}{4}$ an inch, so $\frac{4}{4}$ (pronounced 4 quarters) is equal to one inch. Usually, the thicker the stock purchased, the higher the price. For example, $\frac{5}{4}$ is more expensive than $\frac{4}{4}$. Using the above formula for board feet, calculate the following problems.

1. $\frac{4}{4}$ = _____ inches (thickness)
2. $\frac{5}{4}$ = _____ inches (thickness)
3. $\frac{6}{4}$ = _____ inches (thickness)
4. $\frac{8}{4}$ = _____ inches (thickness)
5. $\frac{12}{4}$ = _____ inches (thickness)

Calculate the board feet for the following dimensioned stock.

	T	W	L	Work (You Must Show All Work)	Answer (Board Feet)
6.	$\frac{4}{4}$	12	12		
7.	$\frac{4}{4}$	10	24		
8.	$\frac{4}{4}$	$5 \frac{1}{2}$	40		
9.	$\frac{4}{4}$	12	48		
10.	$\frac{5}{4}$	8	18		
11.	$\frac{5}{4}$	12	24		
12.	$\frac{6}{4}$	7	32		
13.	$\frac{6}{4}$	8	18		
14.	$\frac{8}{4}$	12	24		
15.	$\frac{12}{4}$	7	42		

Group Members _____

Product Order Form Grading Rubric

_____ Did the **order form** show what the product was about? (10 Points)

_____ Did the order form show the **cost** of the product? (10 Points)

_____ Was there a way to **contact** someone about purchasing the product? (10 Points)

_____ Did the order form have a place for **customer information and quantity**? (10 Points)

_____ Was the order form developed **professionally**? (10 Points)

_____ **TOTAL (50 points possible)**