Figuring Board Feet - Application

**120 Points (10 points per question) You need the diagram to complete the second page**

You need to figure out how many board feet are needed for each piece, and how many board feet would be needed to build the entire project. Answer the following question.



See Back Side

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

Figuring Board Worksheet

120 pts

You need to figure out how many board feet are needed for each piece. Answer the following question. Each piece is solid lumber. All stock is 1” thick unless plans specify. Round all answers to two decimal places.

1. Fill in the measurements for part A? \_\_\_\_\_\_\_” Long X \_\_\_\_\_\_\_\_\_\_\_\_” Wide X \_\_\_\_\_\_\_\_\_\_” Thick

 ~ Look at all 4 legs to find all of the dimensions (sizes) needed.

|  |  |  |
| --- | --- | --- |
|   |  |  |
| 2. How many Board Feet are in one Part A ?    |   |  \_\_\_\_\_\_\_\_\_\_\_\_ Board Feet  |
| 3. How many Board Feet are needed for all 4 of Part A ?  ~ use you answer from above to calculate this question   |   |  \_\_\_\_\_\_\_\_\_\_\_\_ Board Feet  |
| 4. How many Board Feet are Needed for one Part B?    |   |  \_\_\_\_\_\_\_\_\_\_\_\_ Board Feet  |
| 5. How many Board Feet are needed for all 3 of Part B ?  ~ use you answer from above to calculate this question   |   |  \_\_\_\_\_\_\_\_\_\_\_\_ Board Feet  |
| 6. How many Board Feet are Needed for one Part C?    |   |  \_\_\_\_\_\_\_\_\_\_\_\_ Board Feet  |
| 7. How many Board Feet are needed for 2 of Part C ?  ~ use you answer from above to calculate this question   |   |  \_\_\_\_\_\_\_\_\_\_\_\_ Board Feet  |
| 8. How many Board Feet are needed for Part D ?  Figure part D as solid lumber   |   |  \_\_\_\_\_\_\_\_\_\_\_\_ Board Feet  |
| 9. How many Board Feet are needed for all 4 of Part E?    |   |  \_\_\_\_\_\_\_\_\_\_\_\_ Board Feet  |
| 10. How many Board Feet are needed for the entire project ?  ~ Round **up**  to the Nearest whole Board Feet  |   |  \_\_\_\_\_\_\_\_\_\_\_\_ Board Feet  |

1. If Solid Oak is $2.55 a Board Foot. How much would it cost to build this project?

 ~ use you answer from above to calculate this question

 $ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. How many liner inches of 2-1/2” wood is needed for this project \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ feet