

SURVEY LIKE A QUANTITY SURVEYOR

You are a Quantity Surveyor! Your job is to estimate how many materials are needed to build a doghouse and calculate the total cost.

Use the doghouse plan and material prices below to complete your worksheet. See if you can stay under budget!

- 1 Front wall panel
- 1 Rear wall panel
- 2 Side wall panels
- 2 Roof panels
- 1 Packet of screws



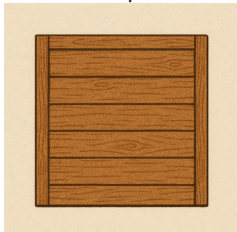
Front Panel - \$75



Rear Panel - \$50



Side Panel - \$40



Roof Panel - \$75



Floor Panel - \$100



Screws - \$15



Use the doghouse plan and material prices below to complete your worksheet. See if you can stay under budget!

Material	Quantity needed	Price Each	Total Cost
Total Material Cost			

Bonus Challenge

Can you adjust your design to bring the total cost under \$400? Exchange your changes below:



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Now that you have your total price of materials on the first page, Can you now calculate the value of the labour to assemble the materials?

Use a labour rate of \$50/hr, each task takes the following amount of time:

- Floor panel install will take 30 minutes
- Front wall panel install will take 20 minutes
- Rear wall panel install will take 20 minutes
- Side wall panel install will take 15 minutes
- Roof panel install will take 10 minutes



Tip

You will need to convert either the labour rate to a cost per minute, or the minutes required for each part into hours so you have a common denominator

How much time is required? _____

What is the cost of labour? _____

How much is the total project, for both material and labour? _____



Bonus Challenge

Can you adjust your design to bring the total cost under \$400?
Exchange your changes below:

Question?

Will having more people help make the project go faster? Would it cost more or less?



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