

Machine usage exercise

Name:

A board in front of you has the following dimensions;

Date:

1" thick, 8" wide and 48" long (1" x 8" x 48")

Period:

Consider the following actions and choose the machine (or machines) you could use to perform the requested task.

1. Rip to 3" wide:

A. Which machine (or machines) could you use to complete this task?

B. Which machine would be the best choice to perform the task? Why?

C. What should you do to the board prior to performing the above task? Why?

2. Crosscut to 24" long:

A. Which machine (or machines) could you use to complete this task?

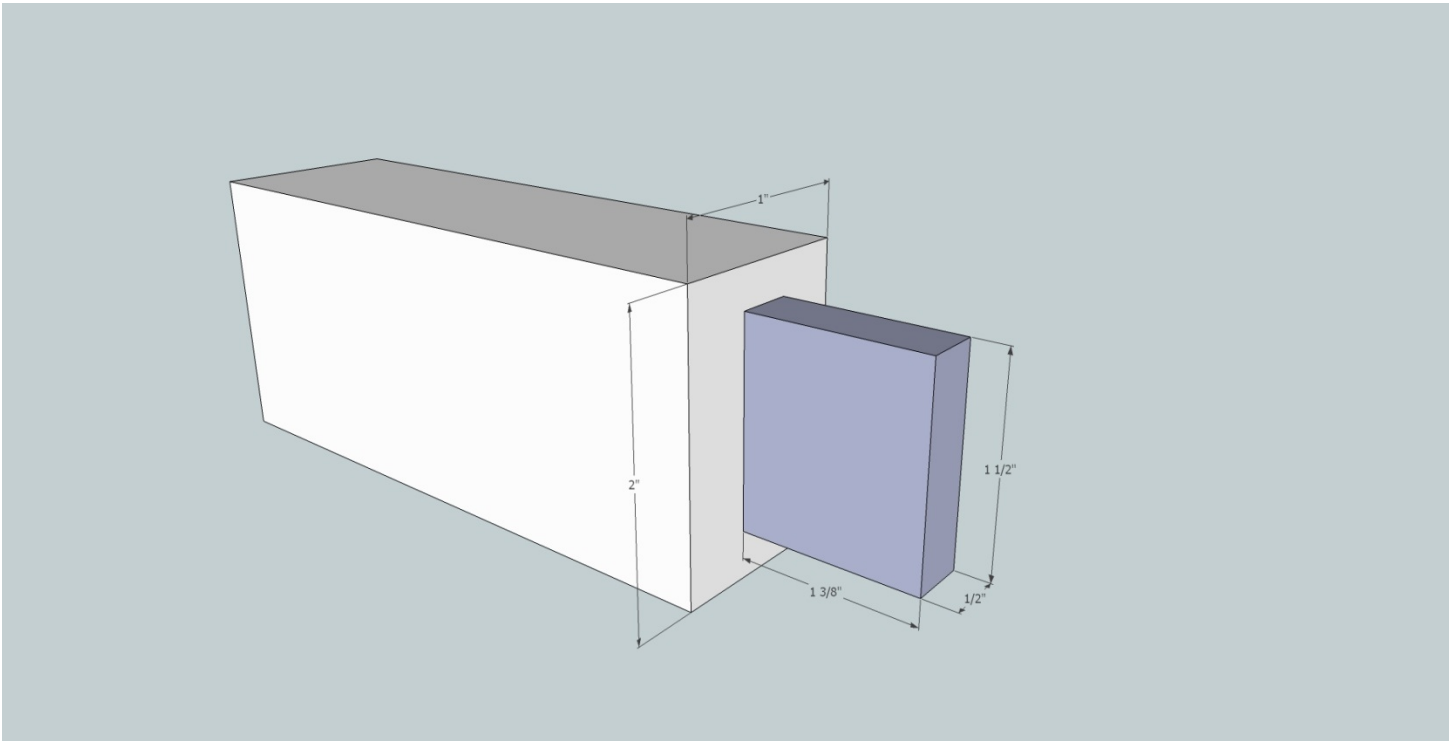
B. Which machine would be the best choice to perform the task? Why?

C. What should you do to the board prior to performing the above task? Why?

3. Thickness to 3/4" thick:

A. Which machine (or machines) could you use to complete this task?

B. Which machine would be the best choice to perform the task? Why?



Above is a drawing of a tenon (one half of a mortise and tenon joint).

Answer the following questions;

1. How long is the tenon?
2. How wide is the tenon?
3. How thick is the tenon?
4. How wide are the shoulders off of the faces of the tenon?
5. How wide are the shoulders off of the edges of the tenon?
6. If you are going to cut the face of the tenon on the dado saw, how high would you set your blade?
7. If you are going to cut the length of the tenon, how far away from the left side of the dado set should the fence stop be set?