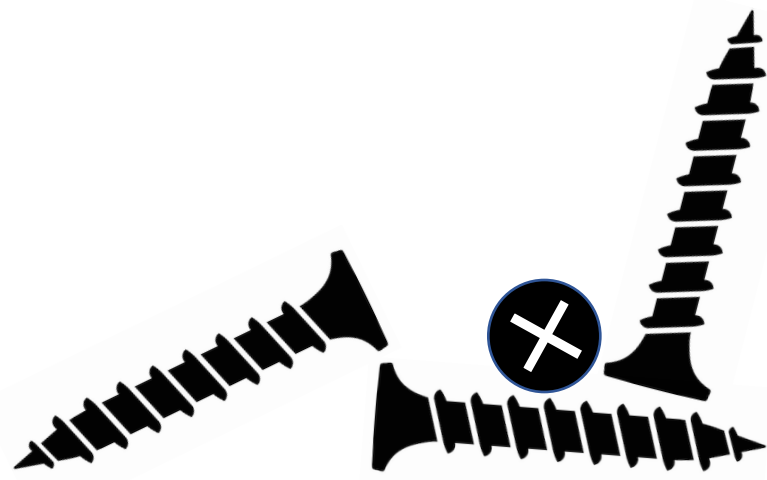
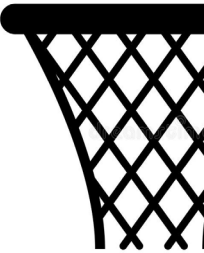


Basketball



Cabinetmaking



Basketball Game

- Provided Materials**
1. Backboard and post
 2. Springboard
 3. Base
 4. Glue
 5. Screw
 6. Basket Peg
 7. Flipper Dowel
 8. Basket
 9. Stickers
 10. Rope and ball
 11. Screwdriver
- Safety Glasses
Work Gloves

- Required Materials**
- Pencil
 - Ruler

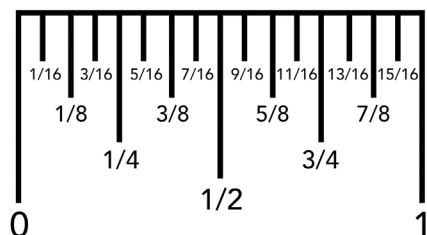


Although the Metric system is the official system of measurement in Canada, the Imperial system is still widely used in carpentry and cabinetmaking.

The United States still rely on the Imperial system. Because they are Canada's largest trading partner, many items we trade with them are measured with the Imperial system.

For example, lumber is sold by the foot and inch in Canada.

Fractional divisions of an inch:



To determine the Metric equivalent of an Imperial measurement, use the following formula:

$$Y \times 25.4\text{mm} = Z$$

Where Y is the measurement in inches, and Z is the measurement in millimeters.



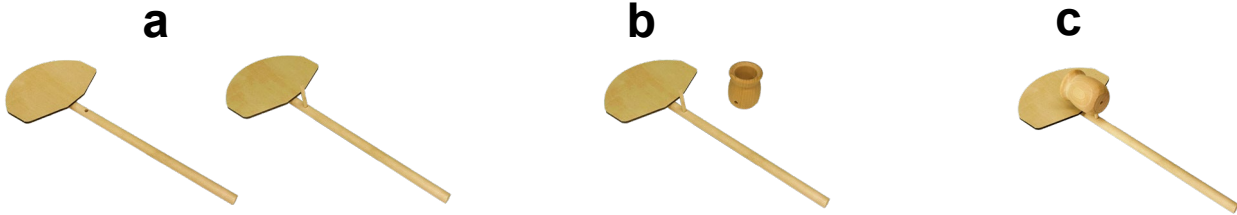
Safety First.

Before you begin, put on safety glasses and work gloves.

Assembly

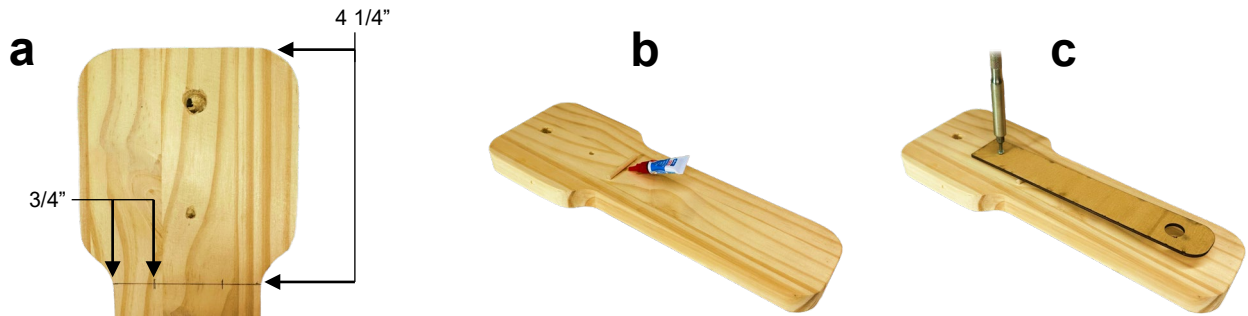
1. Attach the basket to the post.

- Insert the basket peg into the hole in the post.
- Place the hole in the basket over the peg. Push the basket onto the peg.
- Be sure it is in line with the post.



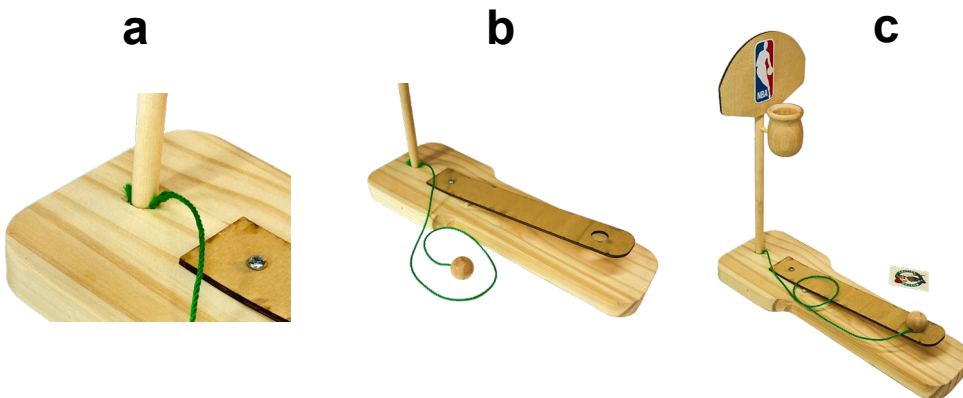
2. Attach the flipper to the base.

- From the wide end of the base, measure and mark a line at $4 \frac{1}{4}$ " down. Along this line, mark a dash $\frac{3}{4}$ " in from each side.
- Glue the dowel horizontally across the base between the dashes, ensuring it remains perfectly perpendicular to the base. This will act as the fulcrum for the springboard in the next step.
- Position the small hole in the springboard over the pilot hole in the base. Insert the screw using the screwdriver.



3. Attach the rope and ball and the post to the base.

- Place the end of the rope on the large hole in the base. Push the post into the hole to secure the rope.
- Adhere the stickers to the backboard.
- Place the ball in the large hole in the springboard. Press down on the raised end of the flipper and let go to score a basket.



In cabinetmaking, measurements must be precise, so parts fit together seamlessly.

Geometry assists in measuring and marking straight lines and accurate angles.

Try-A-Trade Takeout Program

Basketball

V1

Material: Wood

Trade: Cabinetmaking