

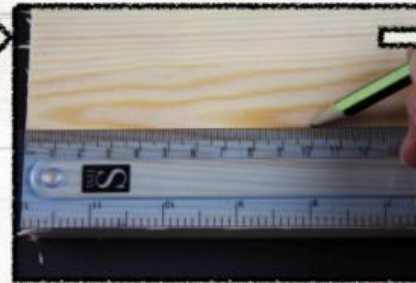
## Measuring



Find a ruler, a tape measure, a sharp pencil and your wood plank.



Place the ruler with '0' at the edge of the wood.



Measure along the ruler to the length you want and make a mark.



Turn the ruler vertical and draw a straight line across the wood.

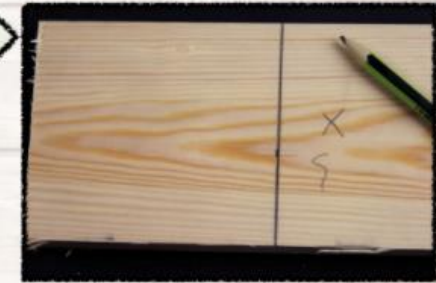
**Alternatively, you can use a tape measure to measure the wood.**



Get a tape measure and make sure the metal edge is over the edge of the wood.

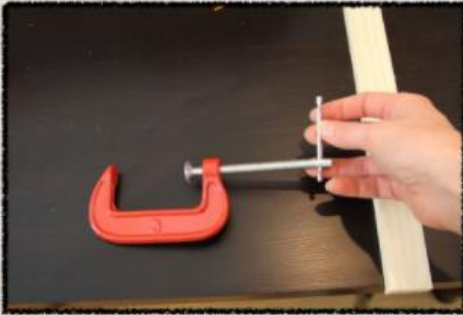


Then use a ruler to draw the vertical line.



Always mark an 'X' or a squiggle on the part you don't want to keep.

## Clamping



Get your clamp, wood plank and find a space on the table.



Line the wood up on the edge and clamp them together.



Make sure you tighten the clamp so the wood doesn't move.



You can use a clamp to help glue two pieces together.



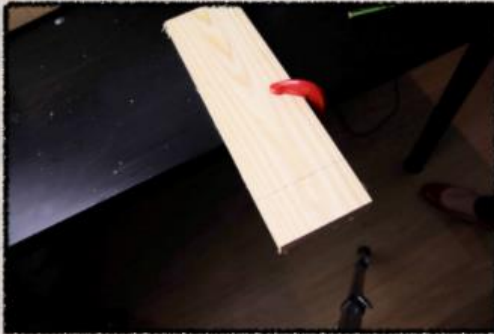
Put glue between the pieces of wood and clamp them together.



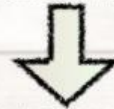
Make sure the clamp is tight, then leave the wood to dry.



## Sawing



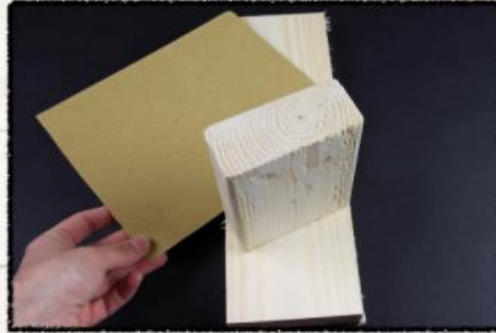
Clamp the wood tightly to the table and measure a line on the wood you want to cut. Tilt the saw to a 45 degree angle and rest it on the top of the wood. Make short slices to start the cutting.



Hold the piece of wood with your non-sawing hand and continue sawing on an angle. Use longer strokes and make sure you keep your fingers and hands away from the blade.



## Sanding



Sanding is an important step to ensure the wood edges are smooth. This in turn makes the joints more accurate and clean. Find some sandpaper and an off-cut of wood in the shape of a block.

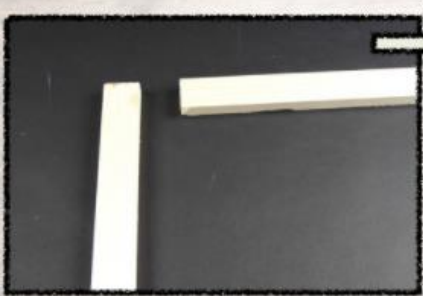


Cover the block with the sand paper so you can hold it in your palm. Rub the sandpaper over the edges of the wood to smooth them over.





## Joining



Get the two pieces of wood you want to join together.



Spread some wood glue onto one of the pieces of wood.



Position the wood pieces so they line up and then clamp them tight.



Allow the wood to dry with the clamp attached.



You can also use a hammer and nails to attach wood together.



Spread some glue across one piece of wood.

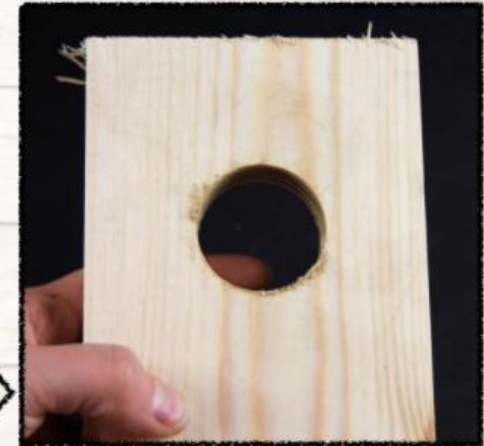
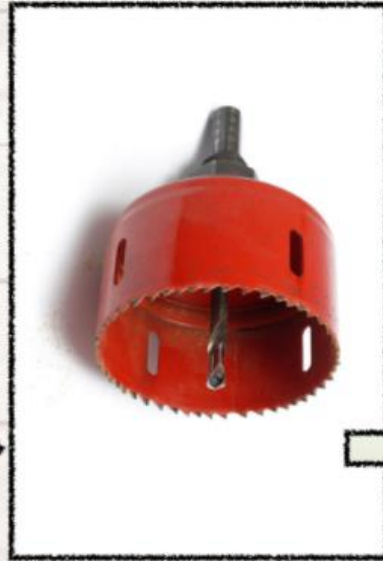


Lie the piece of wood with glue on top of it on the other piece of wood and hold a nail in place.



Carefully use a hammer to hammer the nail into the two pieces of wood.

## Making holes



Get a hand drill and a circle piece. Carefully slot the circle piece over the drill bit. Clamp your piece of wood to the table, draw a circle and a dot in the middle of it. Place the drill bit on the dot and use the handle to drill a hole. Make sure your fingers are away from the drill.





1. Wear goggles, a dust mask and gloves to protect your face and hands.
2. Keep your non-sawing hand away from the cutting edge.
3. Make sure materials are clamped securely before cutting, hammering or drilling.
4. Make sure your fingers are out of the way when hammering nails and drilling holes.
5. Be aware of people around you and what they are doing.
6. Never run with a saw, drill or nails in your hand.