

Solidarity pencil Tutorial

You will find below the tutorial to make the pencil game in the photo but adjustments can be made if you do not have the equipment or skills to do it. The dimensions are indicative.



You can recycle wood for the construction as shown in the example

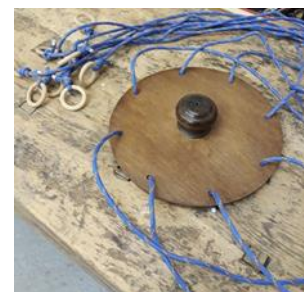
- A panel of raw wood or plywood of 25 x 25 cm and thickness of your choice
- A piece of wood, 5 x 4 cm, cylindrical or not
- 8 wooden rings, 4 cm in diameter
- 15m of 5mm diameter string

The tools, machines and consumables needed to make the game:

- the various pieces of wood needed
- a hand saw, jigsaw or router
- a hand drill or chisel with 18 mm and 6 mm diameter wood bits and another the thickness of the screw to tighten the pencil
- a flat-head screw with an ergonomic head for tightening the pencil
- a marker or large felt-tip pen
- sanding paper of different grits (80 and 120)
- ruler or tape measure, compass and pencil
- a cutter
- linseed oil or walnut stain with a cotton cloth
- a weight or other heavy object

The stages of the game construction in pictures :

1. Recovering the wood needed for manufacturing
2. Cut a 25 cm circle out of the wood panel with a hole saw or by tracing the circle with a pencil and then cutting it out with a handsaw or jigsaw.
3. Draw 8 markings at equal distances around the circle with a pencil to identify the location of the 8 peripheral and central holes.
4. Drill the 8 peripheral holes with a 6 mm drill bit and the 18 mm central hole according to the diameter of your marker.
5. Drill a hole the diameter of your marker (here 18 mm) in the 5 x 4 cm piece of wood lengthwise without piercing it
6. Make a hole in the side to fit the diameter of the flat head screw you have available
7. Assemble the circular tray and the other piece with glue. Put a weight on it while the glue sets. Wooden dowels, screws or nails can be added to strengthen the assembly.
8. Sand it down after removing the screw.
9. Apply linseed oil or walnut stain with a cloth to protect the tray.
10. Cut the string into 8 lengths of 1.75 m and tie them to the tray as soon as it is dry.
11. Put the rings on the other end of the 8 cords.
12. Insert the marker in the centre of the tray and secure it with the screw.



Good manufacturing!