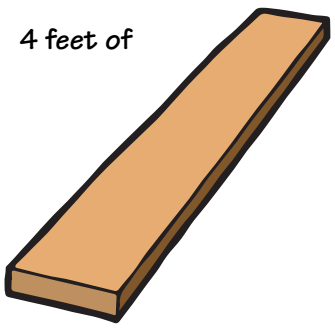
Toolbox

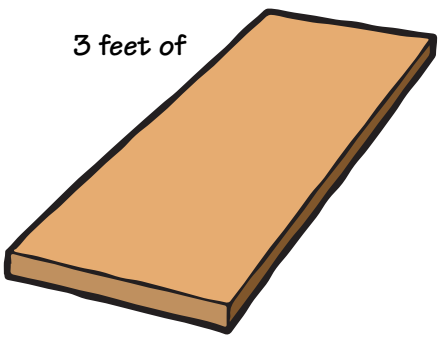
Materials Needed

4 feet of



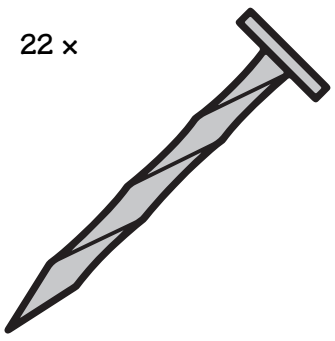
1 by 4 board
(¾ x 3½ x 48)

3 feet of



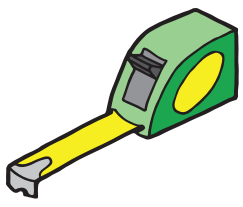
1 by 8 board
(¾ x 7¼ x 36)

22 x

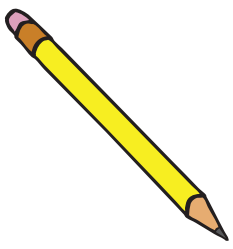


1¼" spiral nails

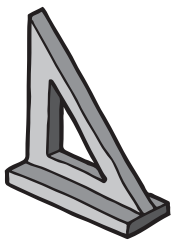
Tools Needed



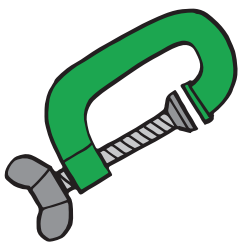
Tape Measure



Pencil

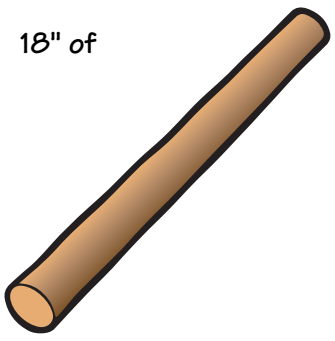


Speed Square



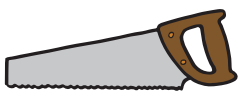
C-Clamp

18" of



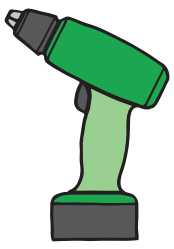
Ø 1" hardwood dowel

Workbench

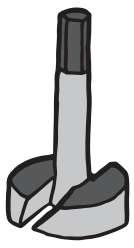


Handsaw

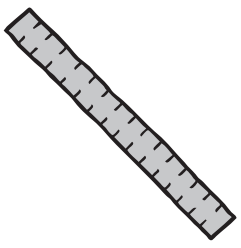
Safety Goggles



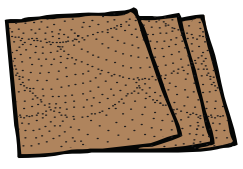
Drill



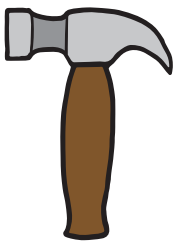
1" Forstner Bit



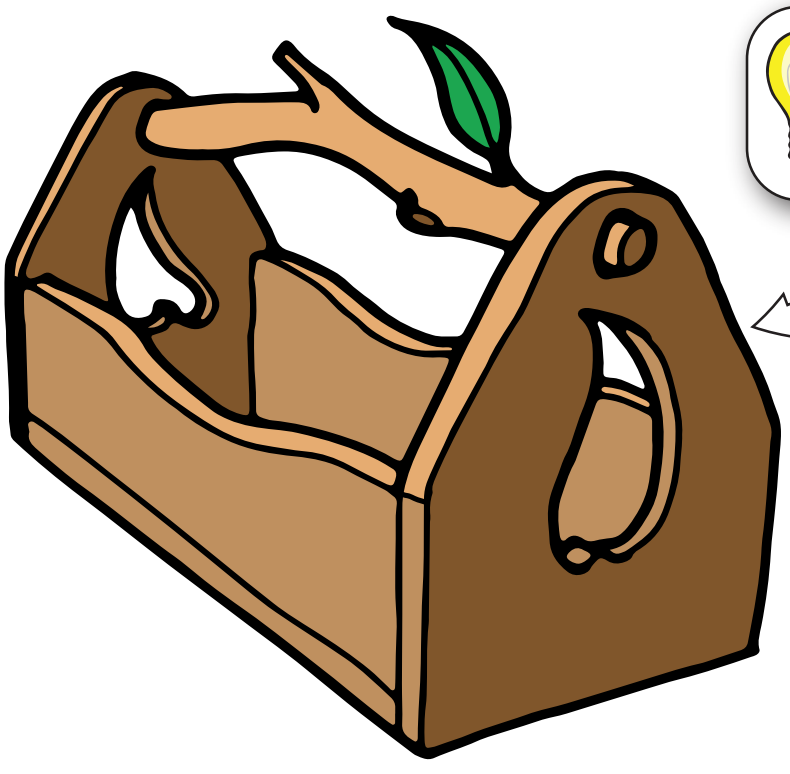
Rule



Sandpaper



Hammer



Idea:
Use a branch to a make a handle for a gardening tool box.

Lee Valley
50L1001 Printed in Canada

Toolbox

making the parts

1 Starting at one end of the 1 by 4 board, mark the length of one **side** piece (17½"), using the tape measure and pencil.

start

2 Use the speed square to extend the line across the board.

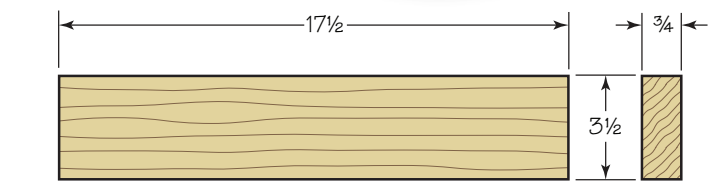
3 Clamp the board to your workbench so that the saw will not hit the workbench.

4 With the handsaw, cut the first **side** off the board at the mark.

5 Repeat steps 1 to 4 for the second **side** (17½") and the **divider** (12").

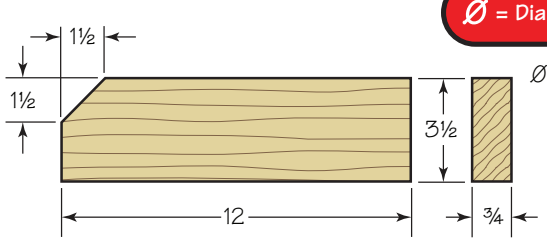
6 Starting at one end of the 1 by 8 board, mark the length of the **bottom** (17½"). Repeat steps 2 to 4. Repeat again for the two **ends** (9").

All measurements are in inches.

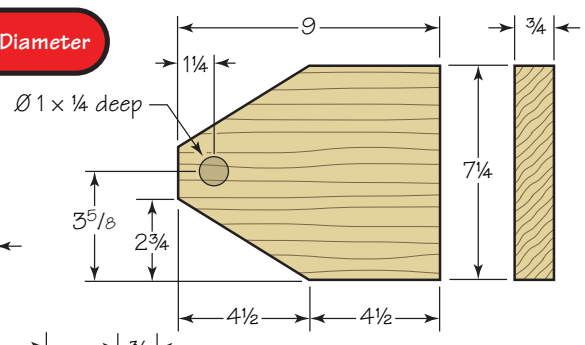


Side (x2)

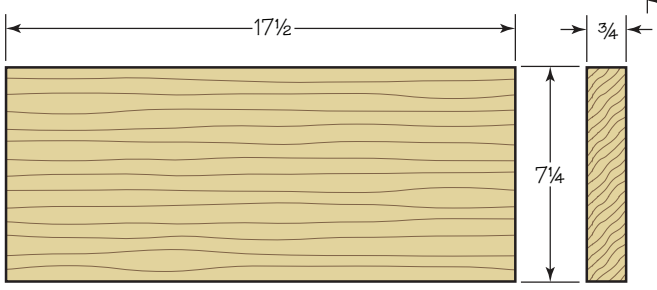
Ø = Diameter



Divider



End (x2)



Bottom

7 At one end of each **end** piece, mark the location of the 1" diameter hole.

Important: Be careful not to drill the hole all the way through.

8 Clamp the **end** to the workbench and use the forstner bit mounted in a drill to bore the one 1" diameter hole, ¼" deep, at the mark.

Repeat for the second **end**.

Remember: Wear your safety goggles when using a drill.

9 Use the straightedge and pencil to mark the five angled corners. One on the **divider** and two on each **end**.

10 Trim each of the five corners where marked.

11 Sand all parts to remove any splinters and rough or sharp edges.

Congratulations you've made a toolbox

assembly

1 Place each **side** on edge. Place the **bottom** on top. Align the edges and ends of the parts. Fasten the **bottom** to the **sides** with five nails each.

Note: Each nail is placed ⅜" in from the edge of the board.

2 Slide the **divider** under the assembly. Align it with the **bottom**. Fasten the **divider** to the **bottom** with three nails.

3 Stand the assembly up and place one **end** piece on top (handle hole facing down). Align the edges with the **sides** and **bottom**. Fasten the **end** to the **sides** and **bottom** with four nails.

4 Flip the assembly end for end. Put one end of the **handle** into the lower hole. Place the other **end** on top with the **handle** fitting into the other hole. Align and fasten the **end** to the **sides** and **bottom** with four spiral nails.

5 Secure the **divider** to the **end** with one nail.

Tip: The divider can be located wherever you want. To use it to hold your saw, it should be ¾" from one of the sides.

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