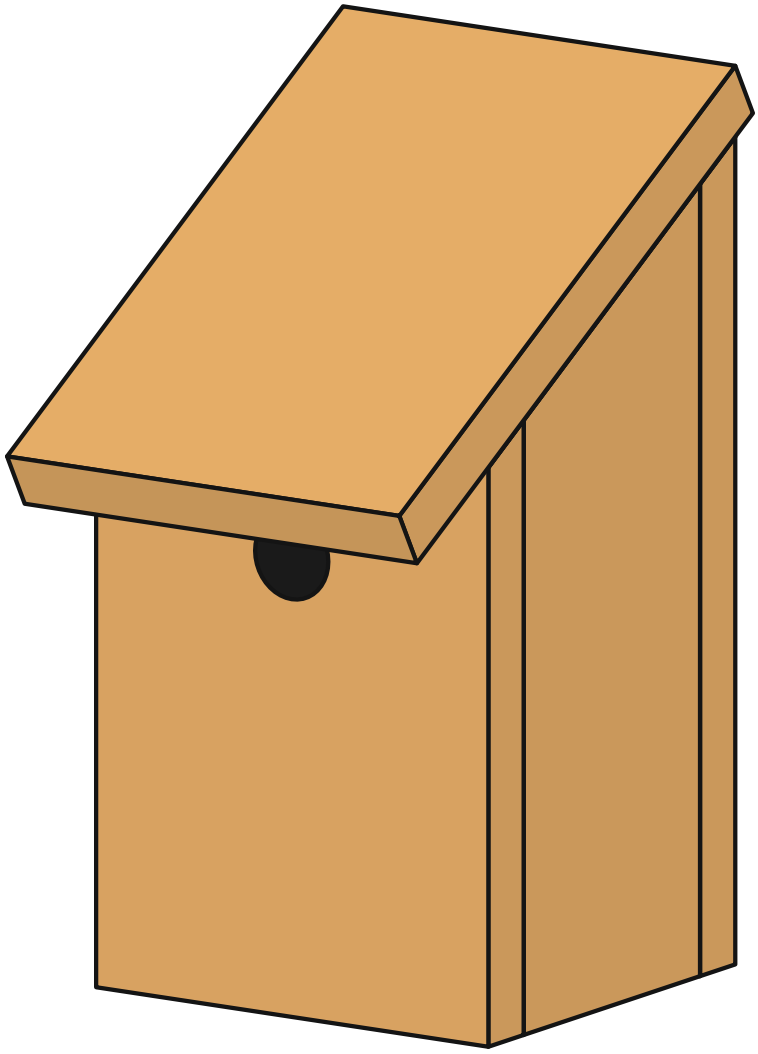
Make a Bird Box No 2

A bird box with a sloping roof. You make it from **2 boards** of wood.



2 boards **6** parts **11** steps

Take your time. Do one step at a time. Ask your helper when you see the blue hand.

How to use this plan

1

Read one step.

Look at the picture. Read the words.

2

Do that step.

Only that step. Then stop.



Tick the box.

When the step is done, tick the Done box.



Ask for help.

The blue hand means: ask your helper.

mm means millimetres. All sizes in this plan are in mm. Use the mm side of your tape measure.

A **bevel** is a cut that leans. The saw is tilted to **30°**. Your helper sets the saw for you.

What you need: wood



6×1 board · 700 mm long



4×1 board · 600 mm long

1. **1 board 6×1**: **150 mm** wide, **20 mm** thick, at least **700 mm** long.
2. **1 board 4×1**: **100 mm** wide, **20 mm** thick, at least **600 mm** long.
3. **16 screws** for outside use, **40 mm** long.
4. **1 metal bracket** to hang the box, with its screws.
5. **Sandpaper.**

Old (reclaimed) wood is great. Pull out any old nails and screws first. Measure the boards. Look for big cracks.

What you need: tools

- [ ] Pencil
- [ ] Tape measure
- [ ] Square (for straight lines)
- [ ] Saw
- [ ] Clamps
- [ ] Drill
- [ ] Small drill bit (3 mm)
- [ ] Large hole bit (28 mm)
- [ ] Screwdriver
- [ ] Sandpaper
- [ ] Safety glasses
- [ ] Dust mask

Tick each tool when you have it on your bench.

Ask your helper
Your helper sets the saw for the 30° bevel cut.

Stay safe

1. Wear your **safety glasses** when you cut, drill and sand.
2. Wear a **dust mask** when you sand.
3. **Clamp** the wood to the bench before you cut or drill.
4. Keep your **fingers away** from the saw blade and the drill bit.
5. Old wood can hide **nails**. Check before you cut.
6. If you feel unsure, **stop**. Ask your helper.

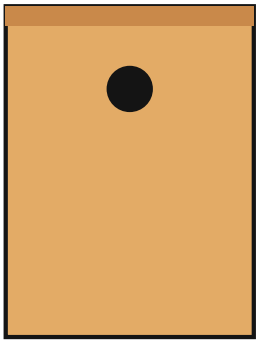


Ask your helper

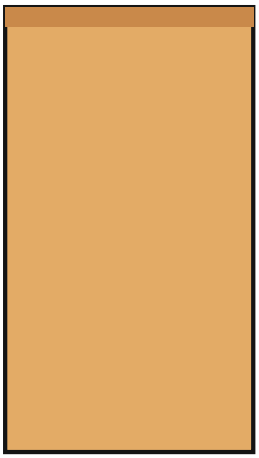
Your helper shows you how to use each tool.

The 6 parts

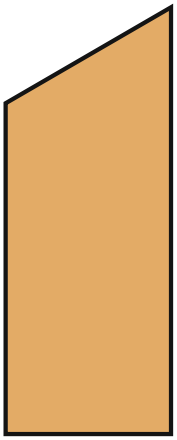
You will cut these parts from your 2 boards.



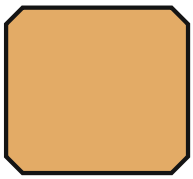
Front
200 × 150



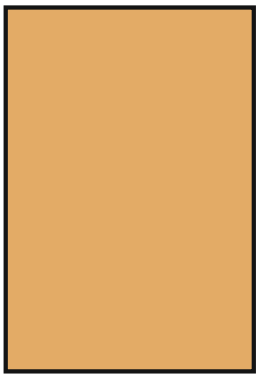
Back
269 × 150



Side ×2
258 / 200 × 100



Floor
110 × 100



Roof
220 × 150

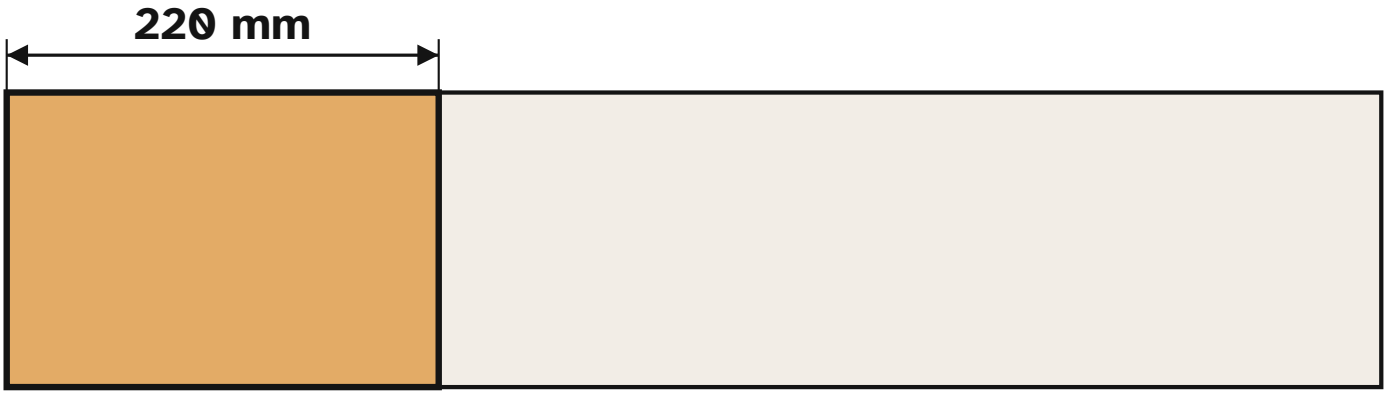
All parts are **20 mm** thick.

The **front** and **back** have a **30° bevel** on top (the darker strip). It lets the roof sit flat.

Write the **name** on each part in pencil after you cut it.

Cut the roof

Done ☐

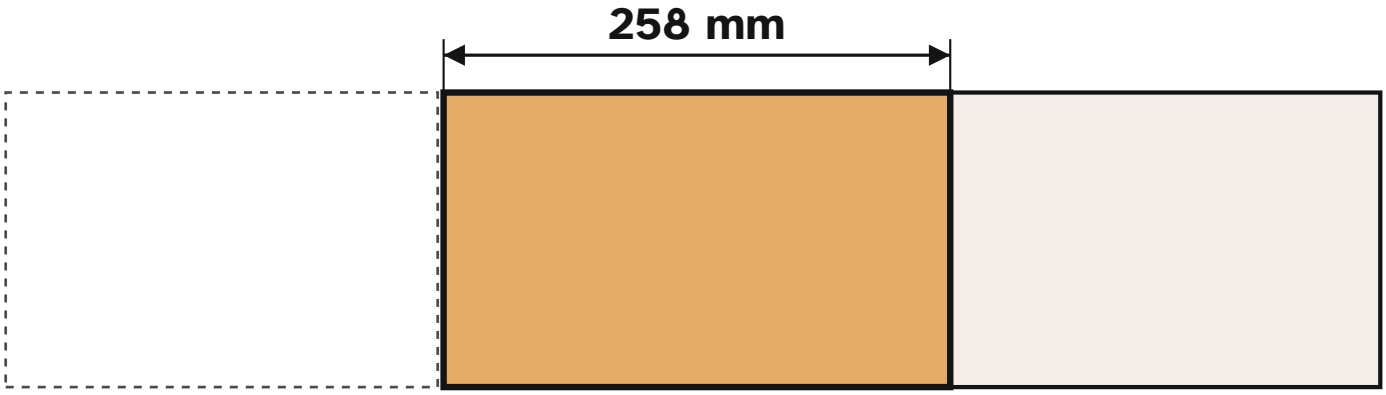


6×1 board · 700 mm long

1. Take the **6×1** board. Measure **220 mm** from the end.
2. Draw a line across with the square.
3. Clamp the board. Cut on the line.
4. Write **Roof** on this part.

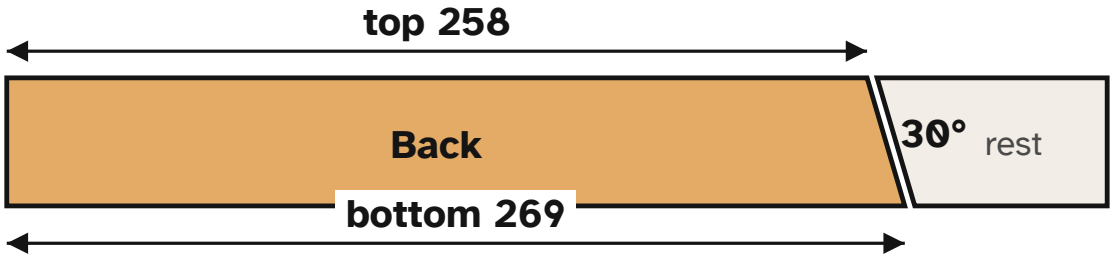
Cut the back

Done ☐



6×1 board · 700 mm long

Looking at the edge of the board:



1. Measure **258 mm** along the **top** of the board. Draw a line.
2. Your helper tilts the saw to **30°**.
3. Cut on the line. The cut leans, so the **bottom** is longer: **269 mm**.
4. Write **Back** on this part. The angled end is the **top**.

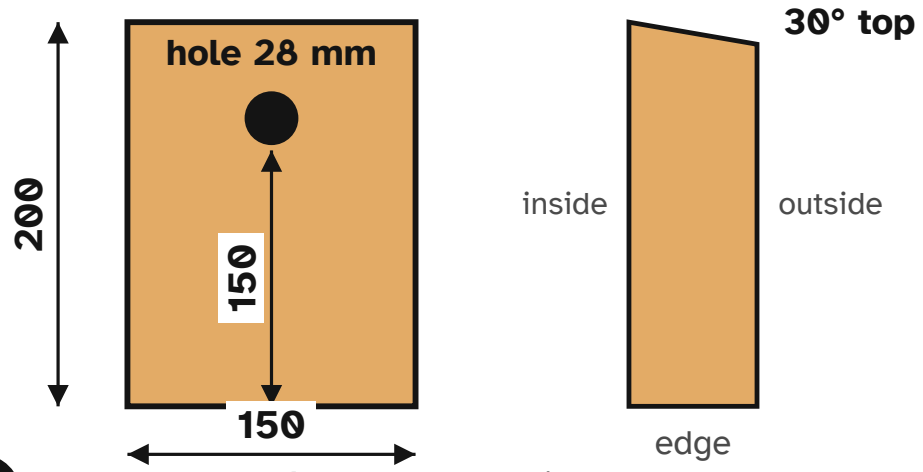
Ask your helper
The 30° bevel cut needs your helper.

Cut the front

Done ☐



6×1 board · 700 mm long

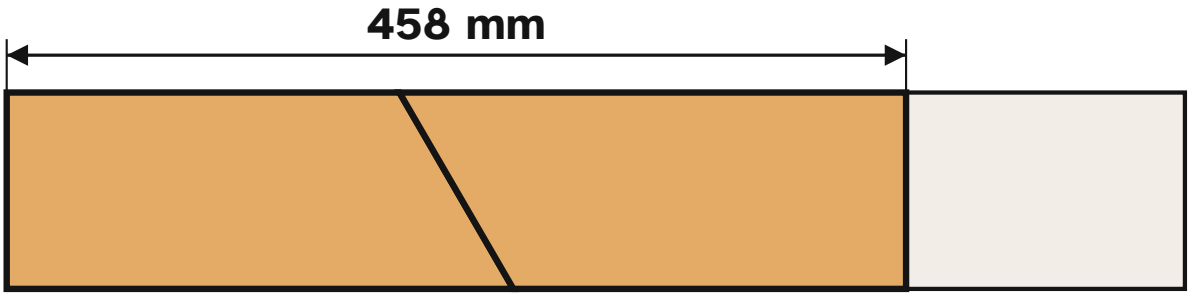


1. The end of the board is already **angled**. That is the top of the front.
2. Measure **200 mm** along the **longer** face. Square cut. Longer face = inside.
3. Mark the hole: in the middle, **150 mm** up. Drill it with the **28 mm** bit.

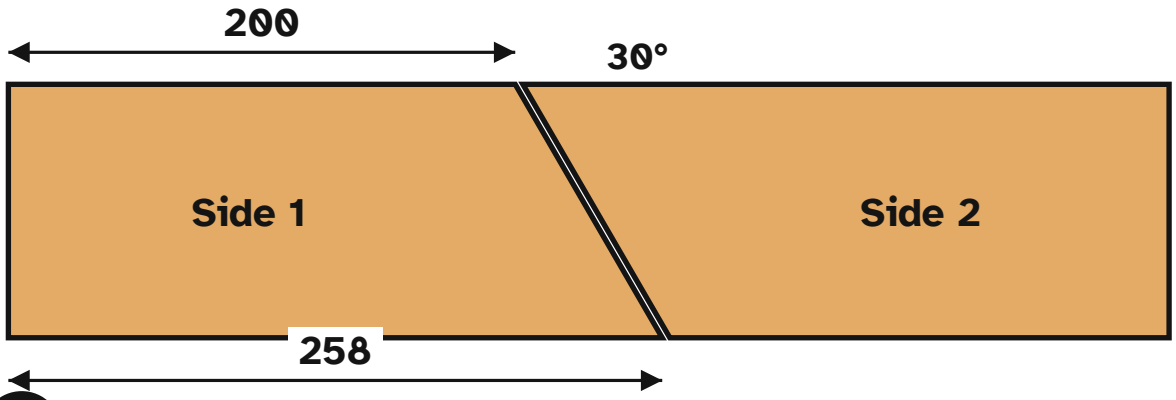
Ask your helper
Drilling the big hole needs a helper.

Cut the 2 sides

Done ☐



4×1 board · 600 mm long



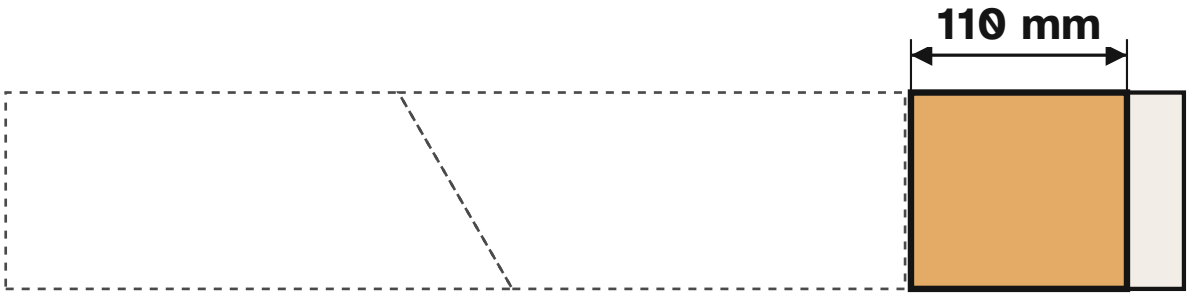
1. Take the **4×1** board. Measure **458 mm**. Square cut.
2. Mark **200 mm** on one edge and **258 mm** on the other edge.
3. Join the 2 marks. Cut on the line. You get **2 sides**.

Ask your helper

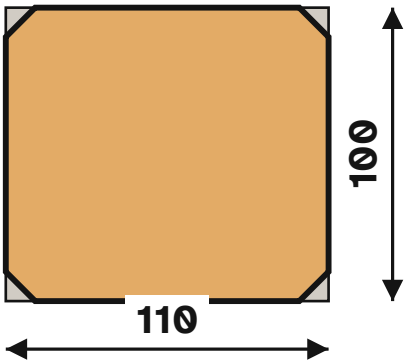
Ask your helper to check your line before you cut.

Cut the floor

Done ☐



4×1 board · 600 mm long

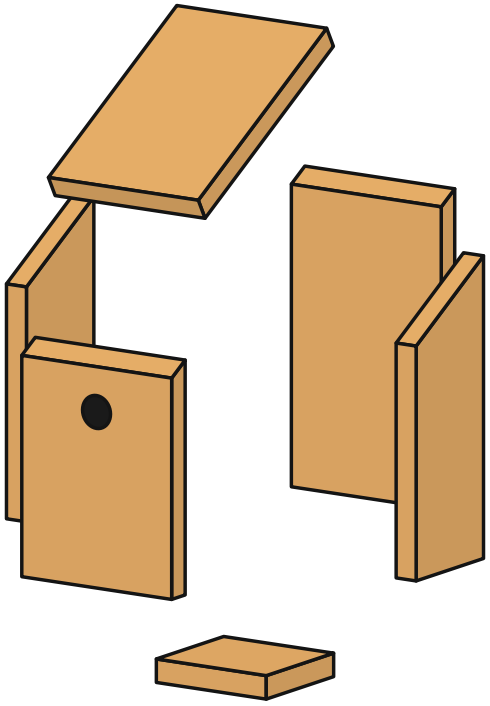


cut off each
corner: 10 mm
(lets water out)

1. Measure **110 mm**. Draw a line. Cut it off.
2. Mark **10 mm** from each corner, on both edges. Join the marks.
3. Cut off the **4 small corners**.

Sand all the parts

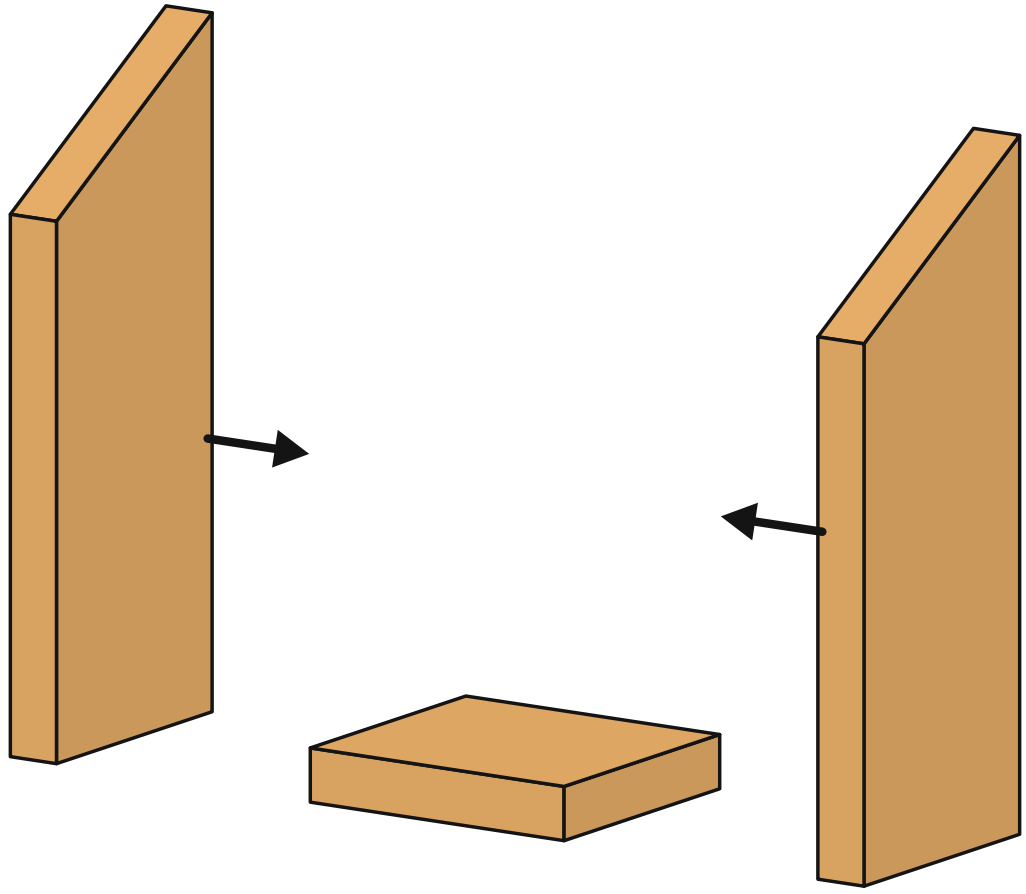
Done ☐



1. Put on your **safety glasses** and **dust mask**.
2. Sand every edge so it is **smooth**. No sharp bits.
3. Do not sand away the **bevels**. Just make them smooth.
4. Lay out all **6 parts**. Check each one has its name.

Sides and floor

Done ☐

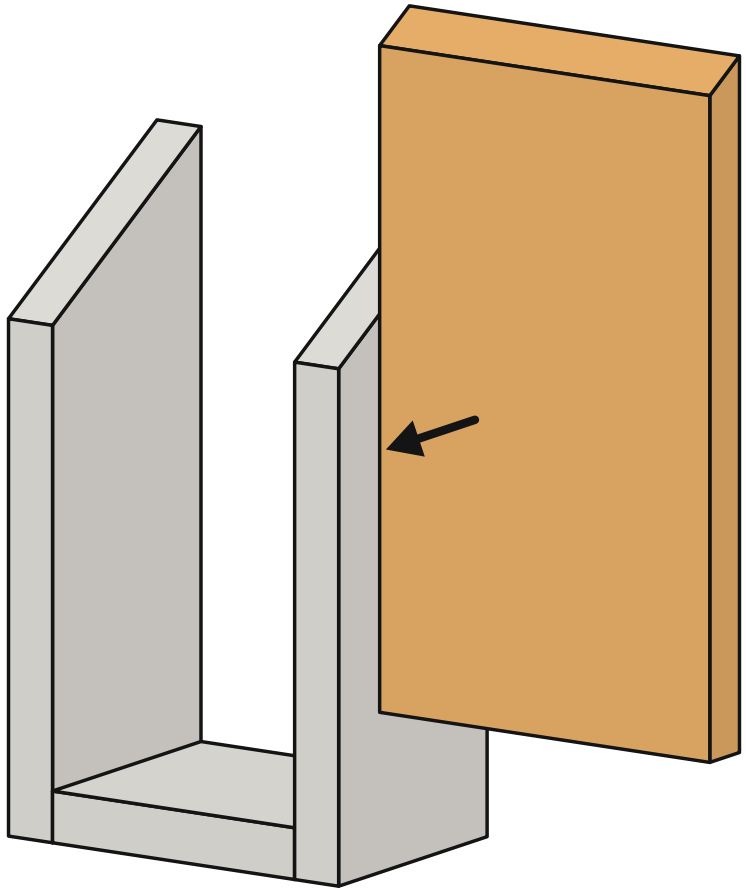


Grey = already fixed. Wood colour = this step.

1. Stand the 2 **sides** up. The sloped edges go at the **top**. The tall ends go at the **back**.
2. Put the **floor** between them, at the bottom.
3. Drill and screw through each side into the floor: **2 screws** each side.

Fix the back

Done ☐

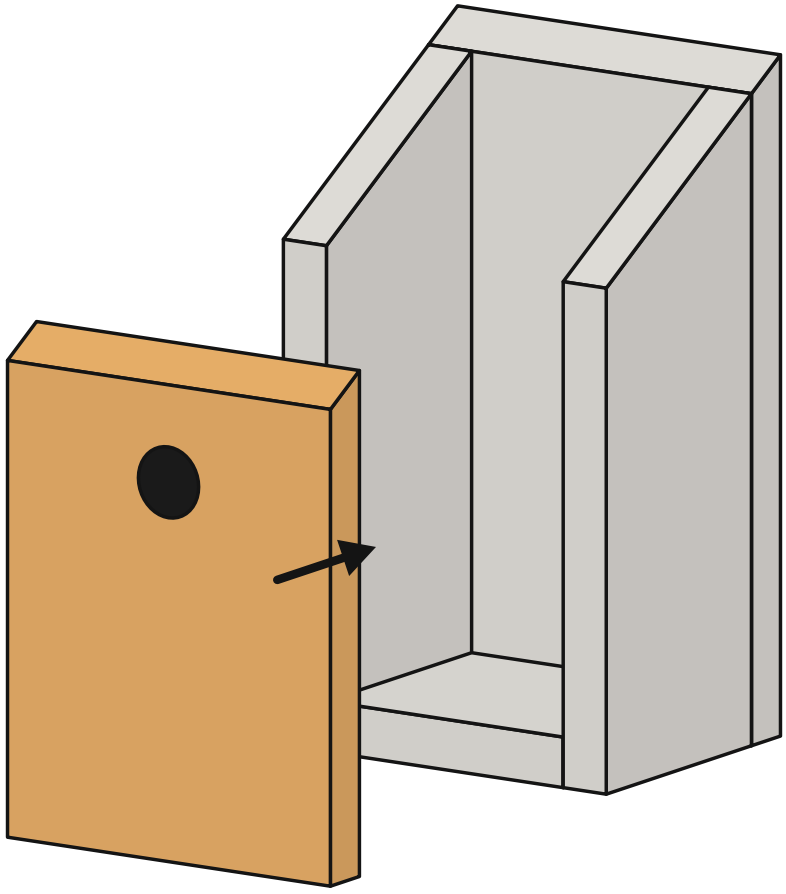


Grey = already fixed. Wood colour = this step.

1. The **back** is the tall part. Its bevel goes at the top, **sloping down to the front**.
2. Line it up with the tall ends of the sides.
3. Drill and screw into each side: **2 screws** each side.

Fix the front

Done ☐

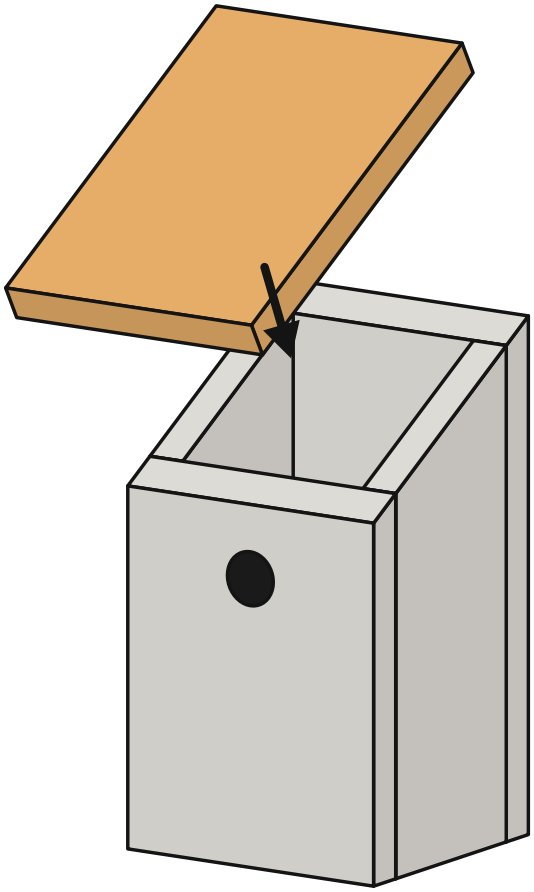


Grey = already fixed. Wood colour = this step.

1. Put the **front** on. The hole is near the top. The longer face goes **inside**.
2. Its bevel should line up with the slope of the sides.
3. Drill and screw into each side: **2 screws** each side.

Fix the roof

Done ☐



Grey = already fixed. Wood colour = this step.

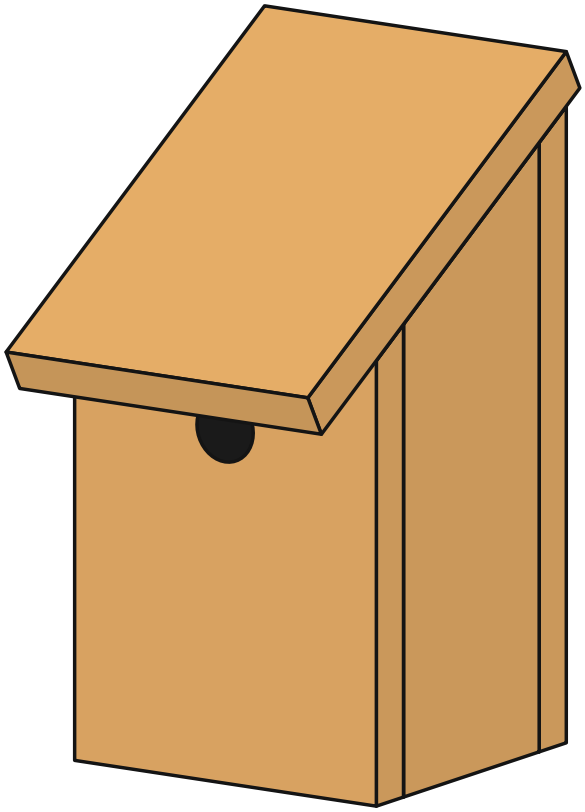
1. Lay the **roof** on top. It should sit **flat** on all 4 walls.
2. Push it back so it sticks out about **10 mm** at the back. The long overhang covers the hole.
3. Screw down into the top of each side: **2 screws** each side.

Ask your helper

If the roof rocks, ask your helper to check the bevels.

Add the bracket

Done ☐



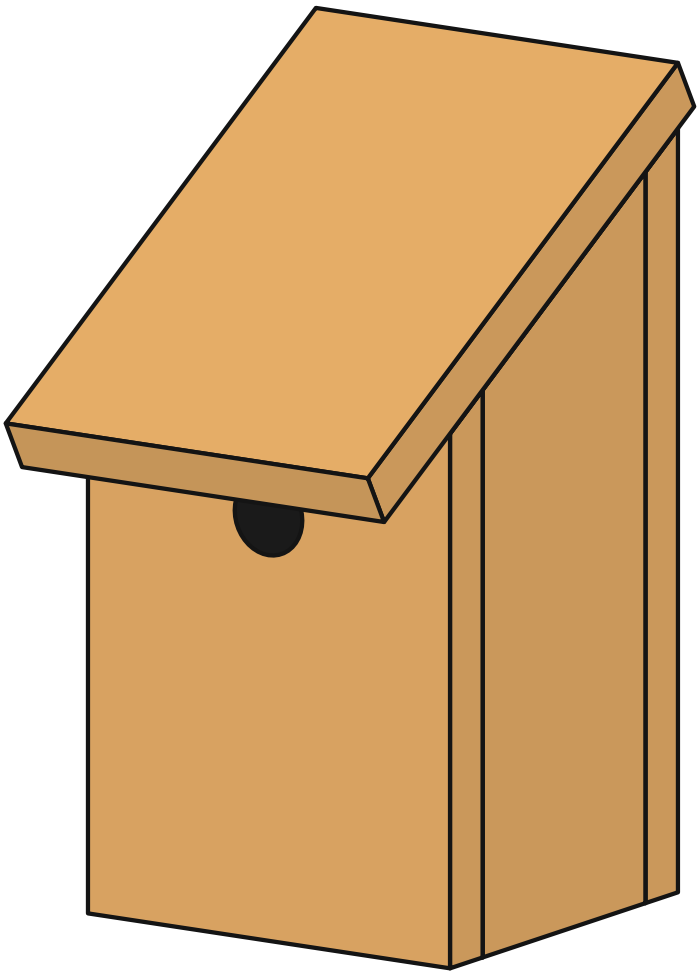
1. Screw the **metal bracket** to the top of the back.
2. Check every screw is tight.
3. Your bird box is ready to hang.

Ask your helper

Choose a good place to hang it together.

Well done!

You made a bird box from **2 boards**.



My bird box

Name _____

Date _____

Where I hung it _____