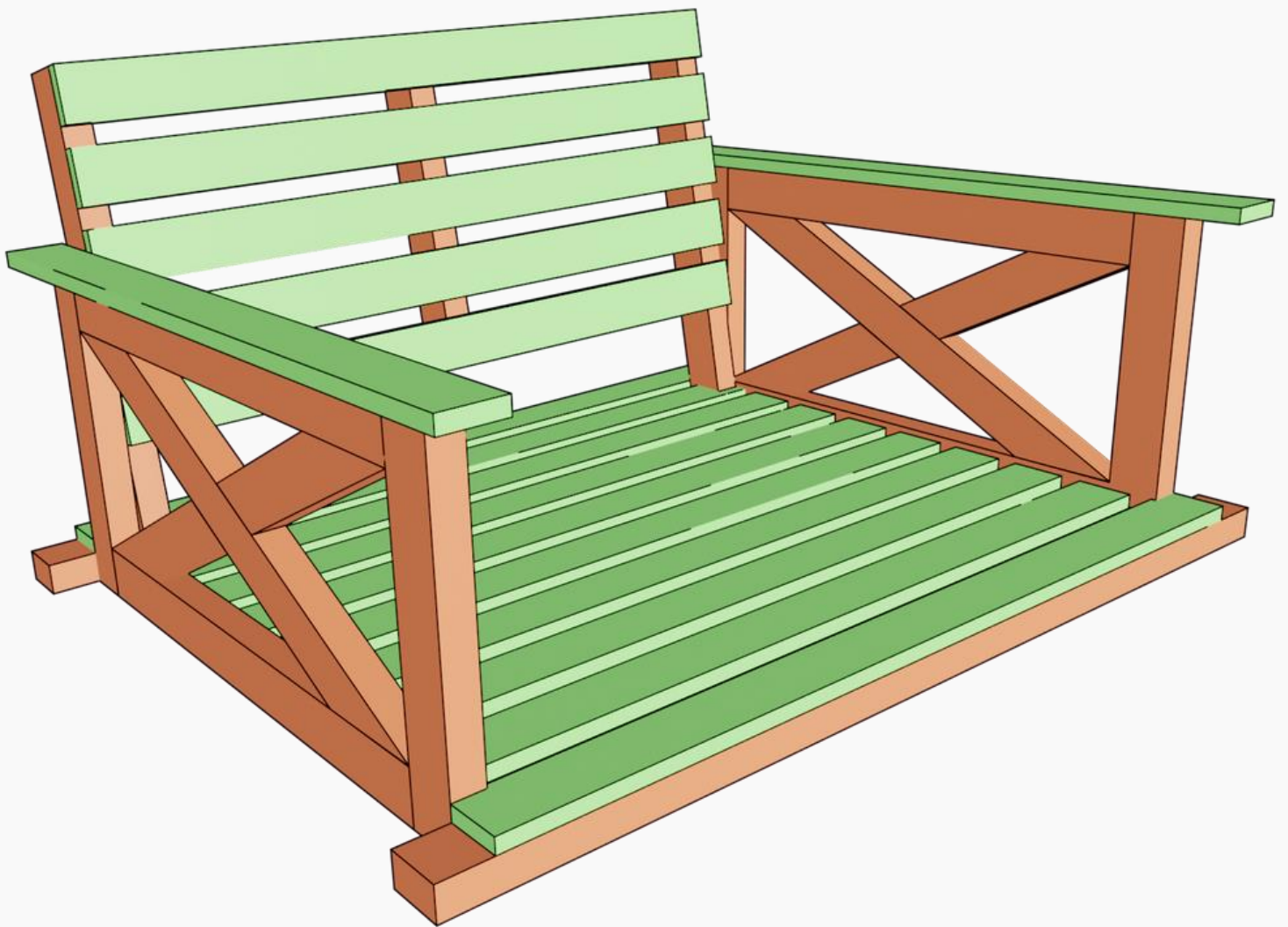


SWINGING SEAT WOODWORK PLANS



Get ready for your next project!



Project information

DETAILS

These plans will help you build a wooden swinging seat, perfect for attaching to a pergola or under a porch roof.

- Digital woodwork plan, downloadable immediately after purchase
- Detailed instructions, illustrated at every stage
- The seat features rustic 'x' armrest detailing
- This is a simple design with only x2 different wood sizes required
- The seat is spacious, perfect for adding cushions and a blanket for snuggling
- Minimal power tool requirement
- Please note that hanging instructions are not included as there are many ways to do this
- See me make this project by [clicking here](#)

ADDITIONAL INFORMATION

DIMENSIONS

- Backrest height: 59cm
- Seat width: 100cm
- Seat depth: 78cm
- Armrest height: 36cm
- Total width: 115cm
- Total depth: 93cm
- Total height: 64cm

PLAN COMPLEXITY

Easy: this is a simple design with all sizes clearly marked and illustrated

PHYSICAL DIFFICULTY

Medium: in its finished form, the chair is quite heavy. A second person is recommended for hanging it securely

How to use this PDF plan

GENERAL

Read these instructions from start to finish before starting to make sure everything makes sense.

Note the peach coloured 'tip' boxes on some pages. These give helpful insights into the specific step.

The instructions are written for beginners so if you are an experienced DIYer, please adjust according to your preferences.

The instructions are written for those who have minimal power tools available. If you have power tools and would prefer to use them, please do so.

LINKS

On the following page you will find the table of contents. These are links to each part of the project. Click on them to be taken to the specified page. Each project page also has a 'Back to contents' link in the bottom left corner to return to the contents page to make navigation easier.



This symbol on the 'Materials required' pages is a link to the said material. These are suggestions on what is suitable to complete the build but you can of course buy different materials provided they meet the size requirements. Please note that the links used here are affiliate links which means that I may earn a small commission if you purchase these products to use in your project. Please see the full affiliate disclosure **here** for more information.

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Materials required: wood



Seat cover x 9

L:2400cm W:6.9cm T:1.8cm

This 1.8cm thick planed wood is for covering the seating part and armrests



Structural support x 7

L:2400cm W:6.3cm T:3.8cm

This is the wood for building the frame of the swinging seat. In theory, 6 of these should be enough but getting a spare one is a good idea as cutting the decorative 'X' is tricky

Materials required: fixings



WOOD SCREWS x large pack

100mm

For fixing the chair frame together



WOOD SCREWS x large pack

40mm

For fixing the seating, back rest and arm rest boards



COACH BOLTS x 4

100mm

For fixing the back frame to the arms. The bolts require a washer and nut

Tools required

HAND TOOLS

SAW

To cut all the wood down to the required size

MEASURING TAPE & RULER

For measuring out the wood, spacing of the components and marking cuts

PEN/ PENCIL

For drawing cut guide lines and marking screw placements

PAINT BRUSH (optional)

For finishing the furniture

PLYERS OR RATCHET

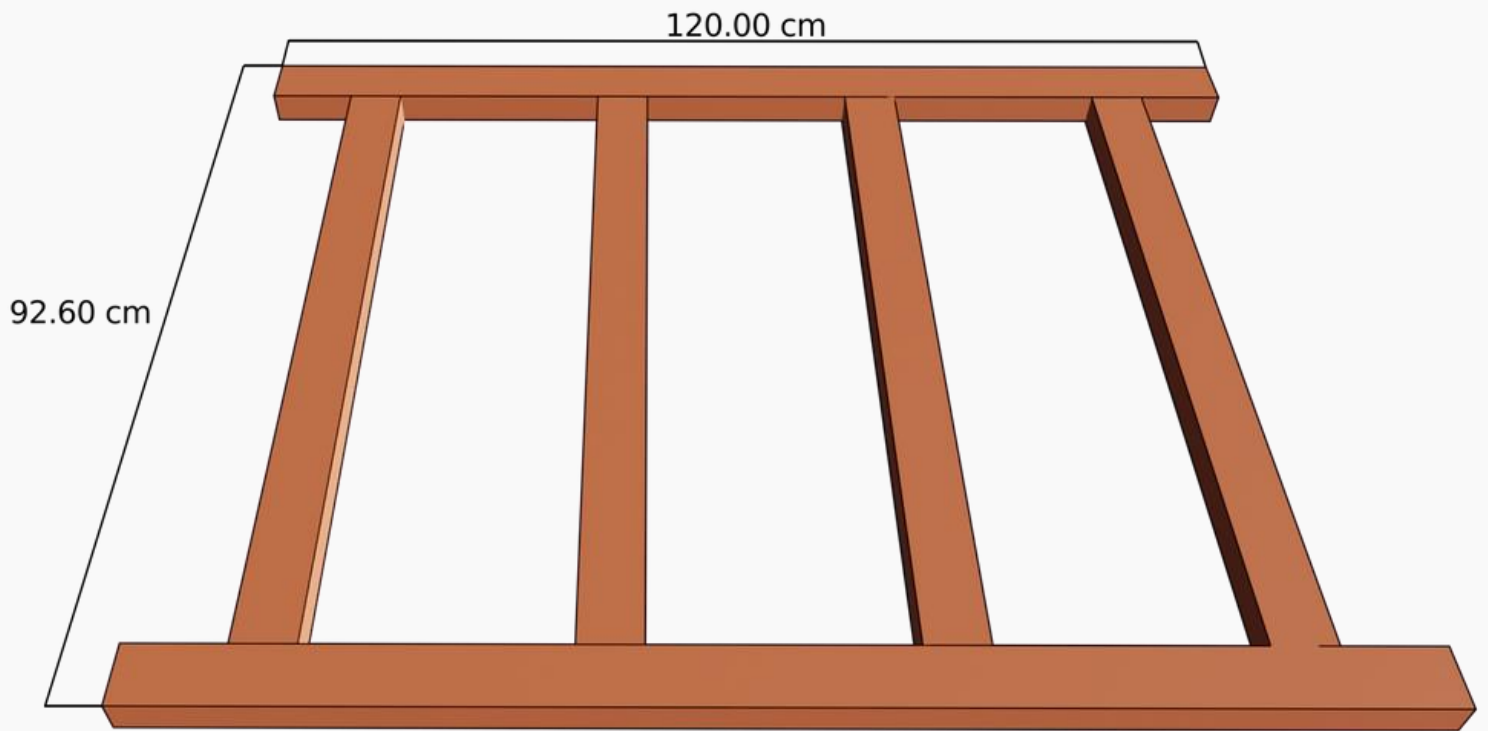
For tightening the bolts

ELECTRIC

DRILL WITH BITS

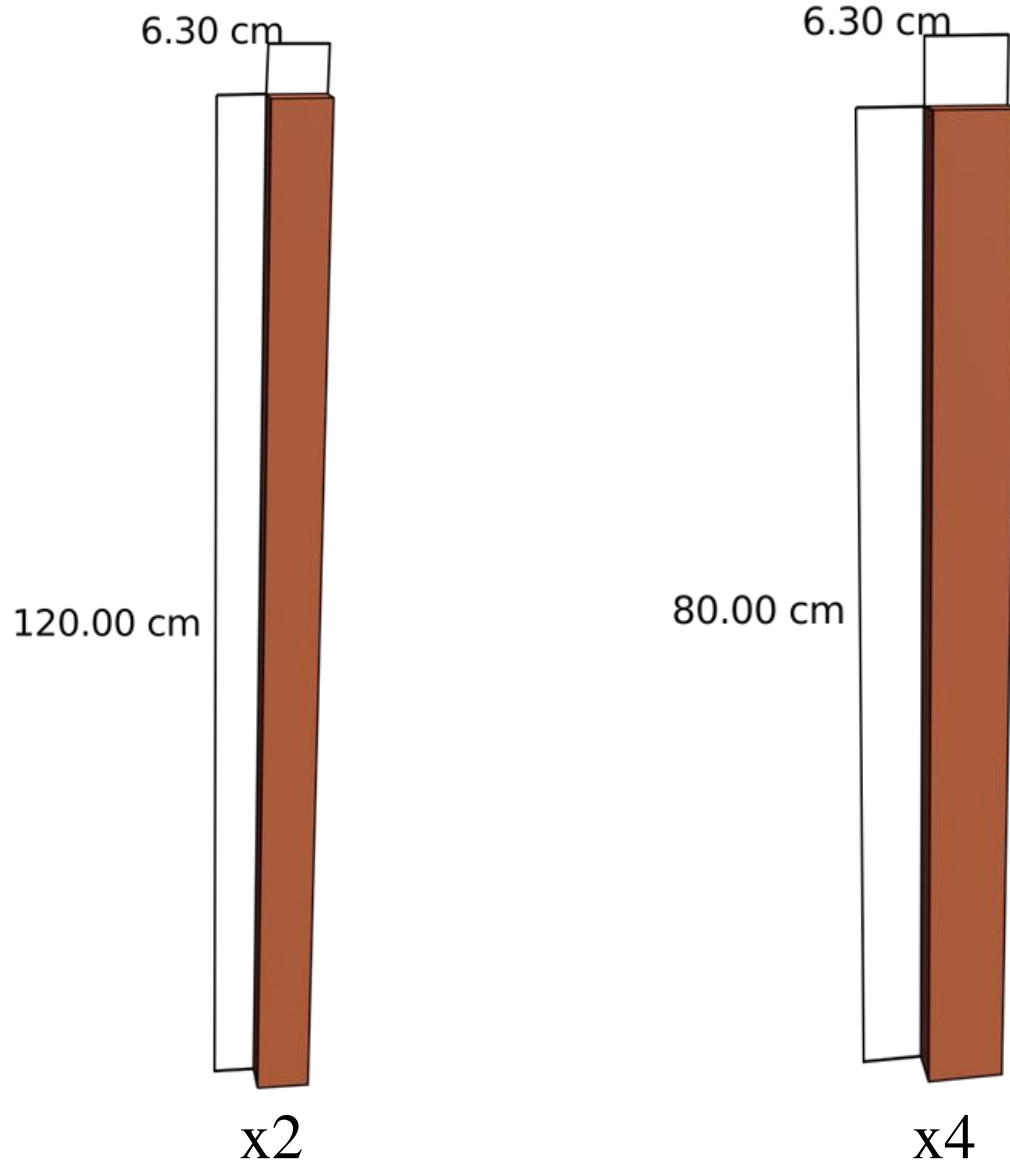
You will need bits for fixing your selected screws and a suitable drill bit for drilling the holes for the coach bolts. If you can, also get a drill bit to pre-drill holes for the screws as this stops the wood splitting

Making the bottom frame



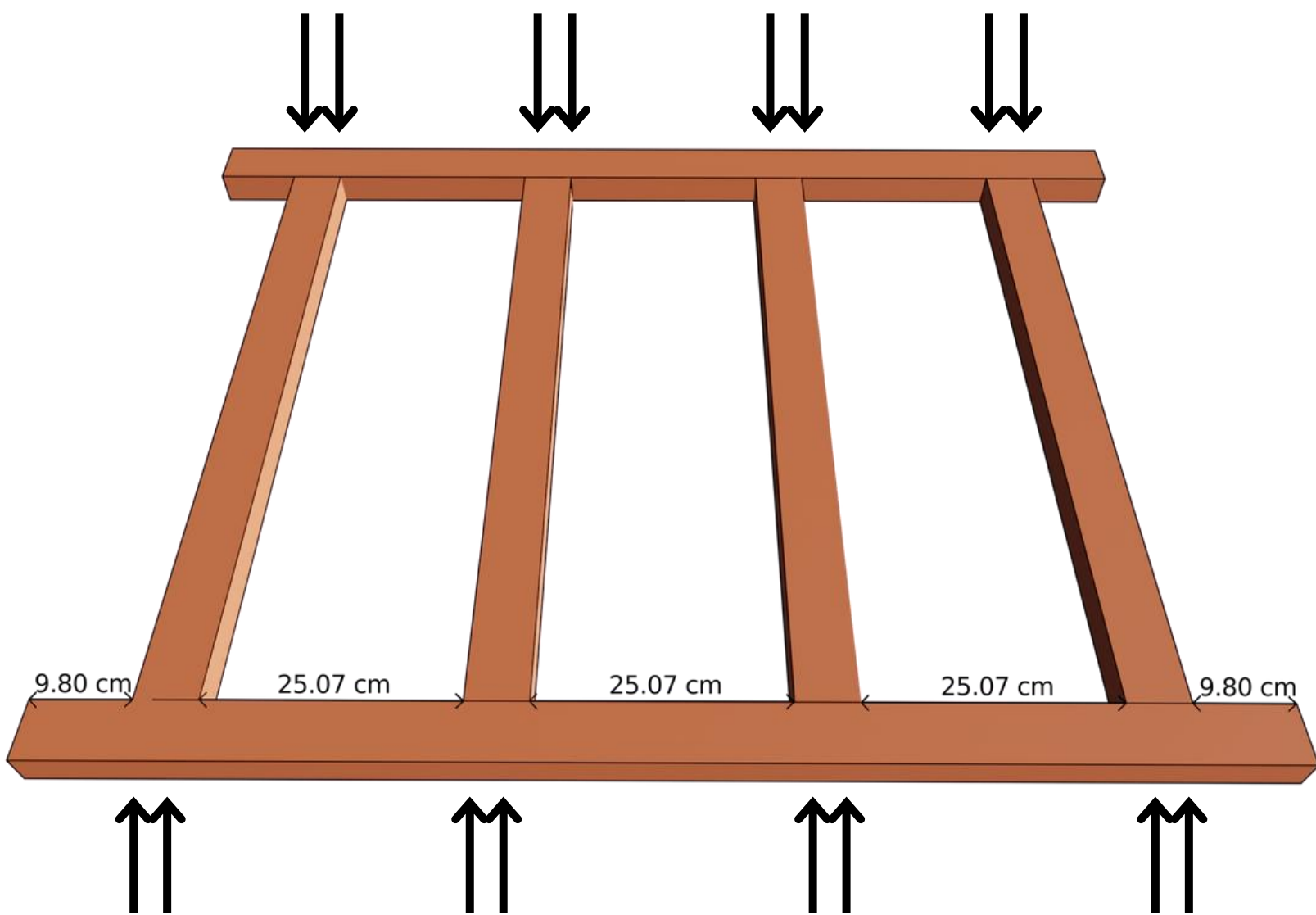
1

Cutting wood to size



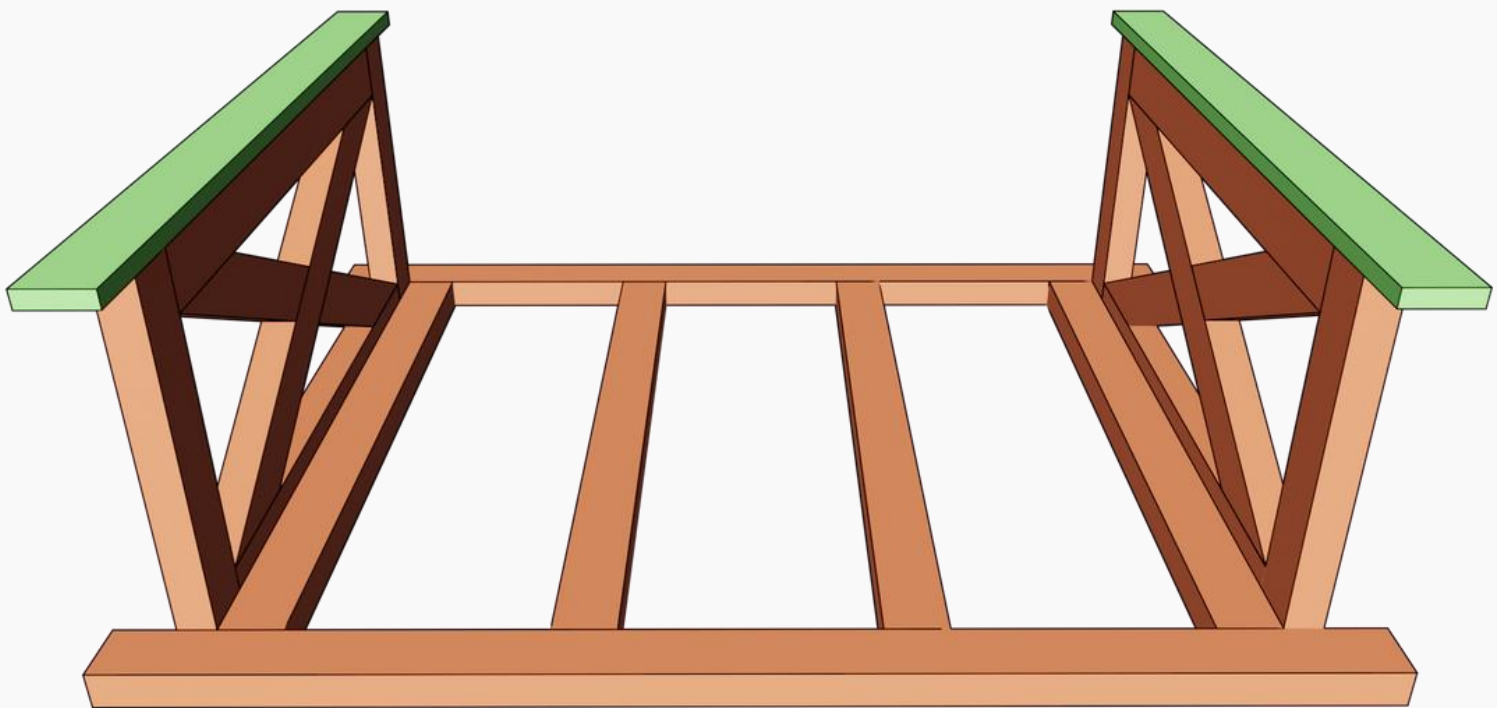
- Cut in half one of the 2.4m lengths of 3.8cm thick wood
- Cut another one into thirds to get x3 80cm lengths
- Cut an additional length of 80cm from another 3.8cm thick plank

2 Assembling the bottom frame



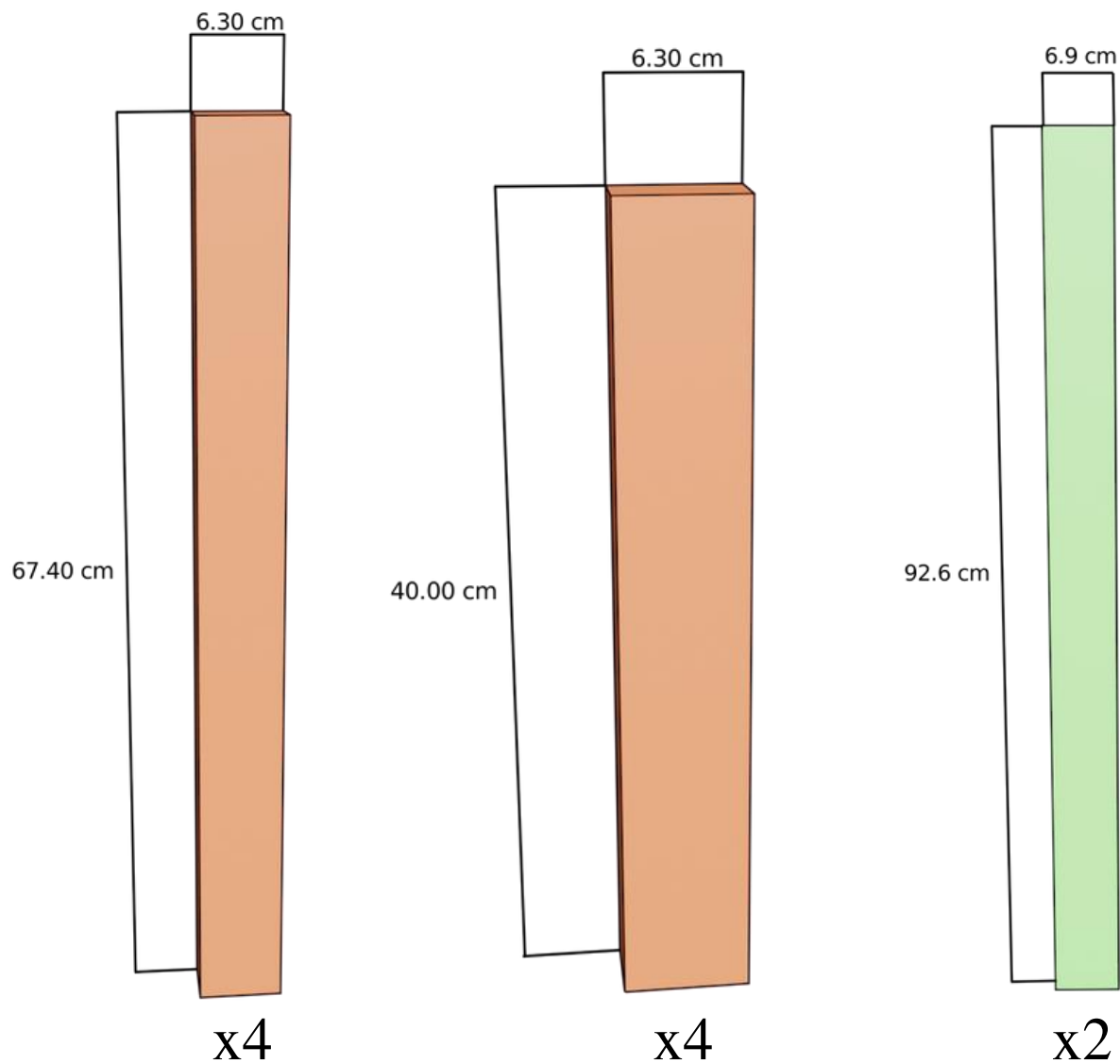
- Line up the x2 longer wood pieces parallel to each other and lay the x4 shorter pieces between them
- Space the x4 pieces as shown above
- Use the 100mm screws to screw the frame together, pre-drilling the holes
- Use x4 screws per shorter plank as shown by the arrows

Making and attaching the arm rests



1

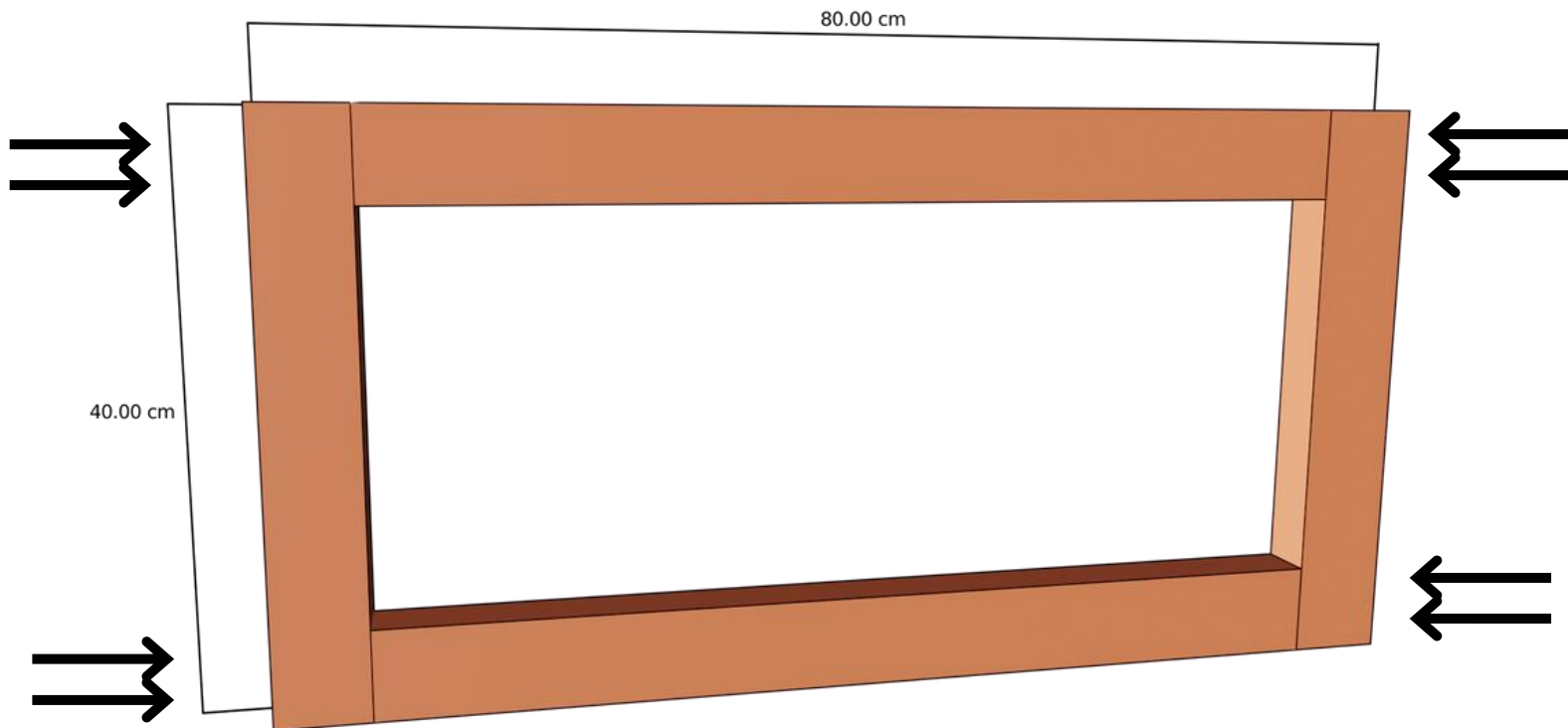
Cutting wood to size



- Use the 3.8cm thick wood to cut x4 lengths of 40cm
- You should be able to do this from the 1.6m off-cut from the previous step
- Now use x2 2.4m lengths of 3.8cm thick wood to cut x4 lengths of 67.4cm. Cut x3 from one plank and x1 from another
- Use the 1.8cm thick wood to cut two lengths of 92.6cm

2

Assembling the arm rest frame

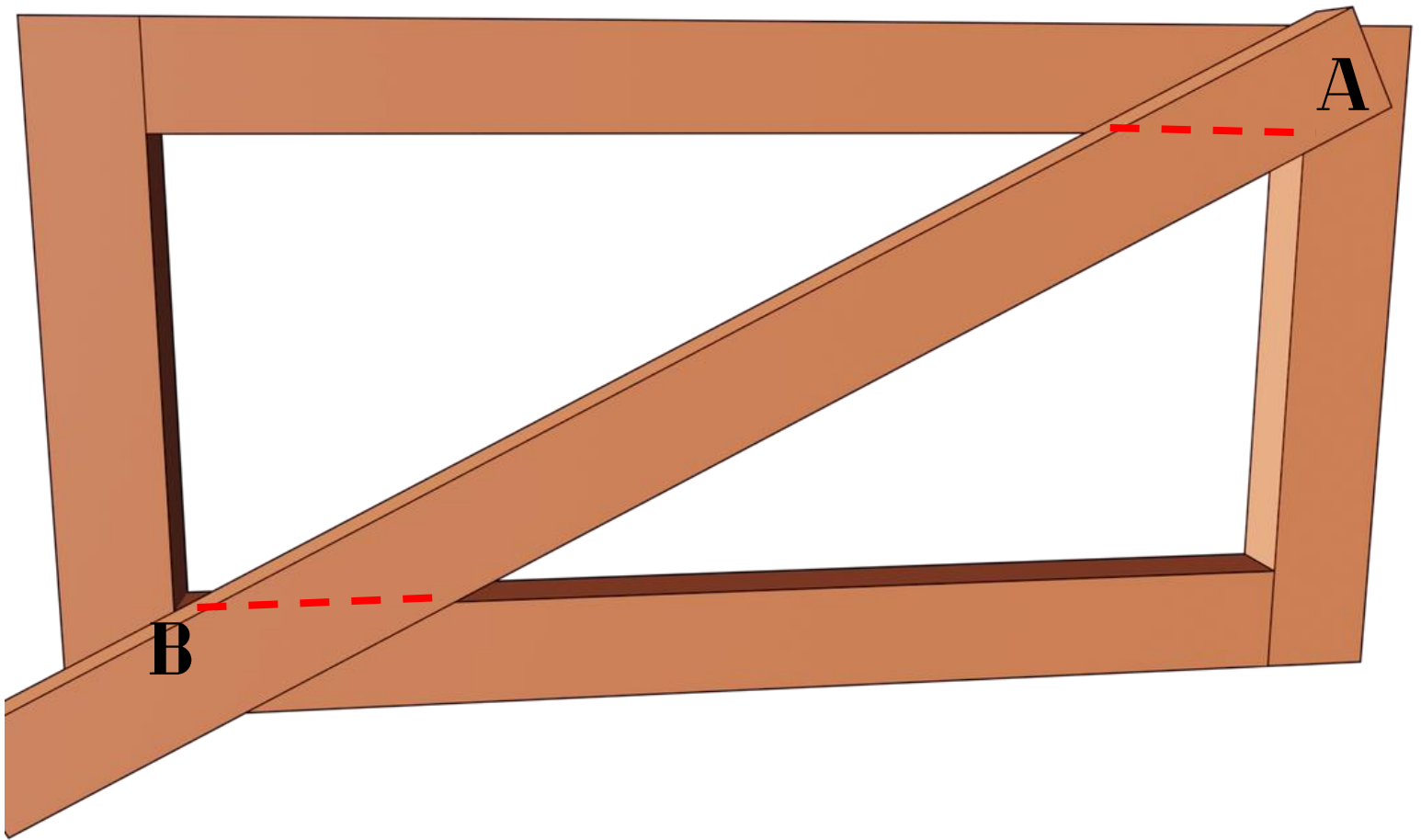


x2

- Using x2 of each length, build a rectangle frame as illustrated and screw it together using the 100mm screws as shown by the arrows
- Make sure to pre-drill the holes first to make it easier to screw
- Repeat twice to make two rectangular frames

3

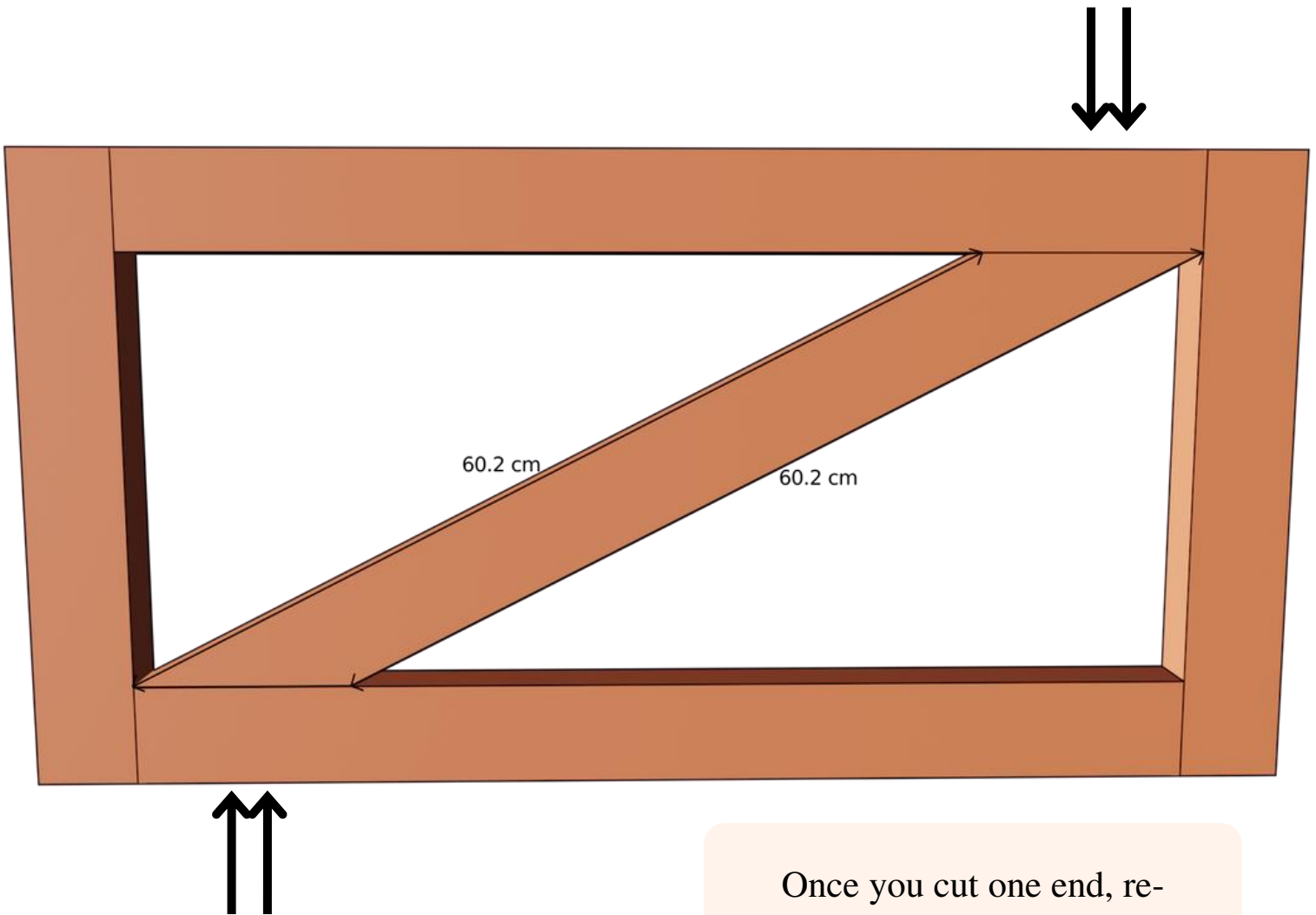
Cutting the first arm rest inner



- Lay a cut-off from the previous step across one of the arm frames as shown in the image
- The goal is to have the plank's top right (A) and bottom left (B) corners sit in the frame corner after it's been cut
- Use a pencil or pen to mark where the piece of wood needs to be cut to slot into the frame perfectly

4

Attaching the first arm rest inner

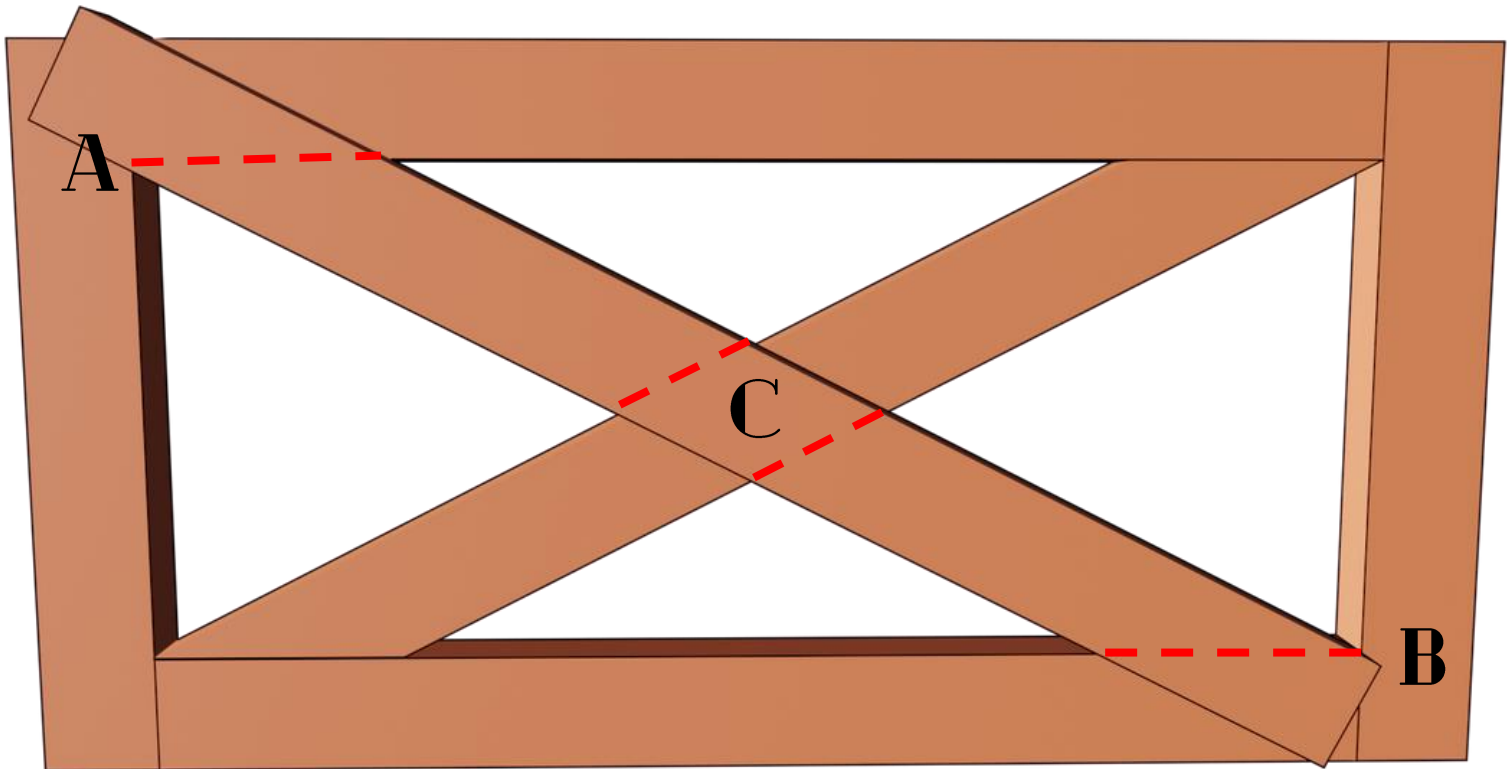


Once you cut one end, re-measure the second cut to make sure you have it spot on

- Cut on the marked line
- Make sure the cut piece fits snugly inside of the arm rest frame
- Pop a few of the 100mm screws in to hold it in place as shown by the arrows
- Repeat these last 2 steps on the other arm rest

5

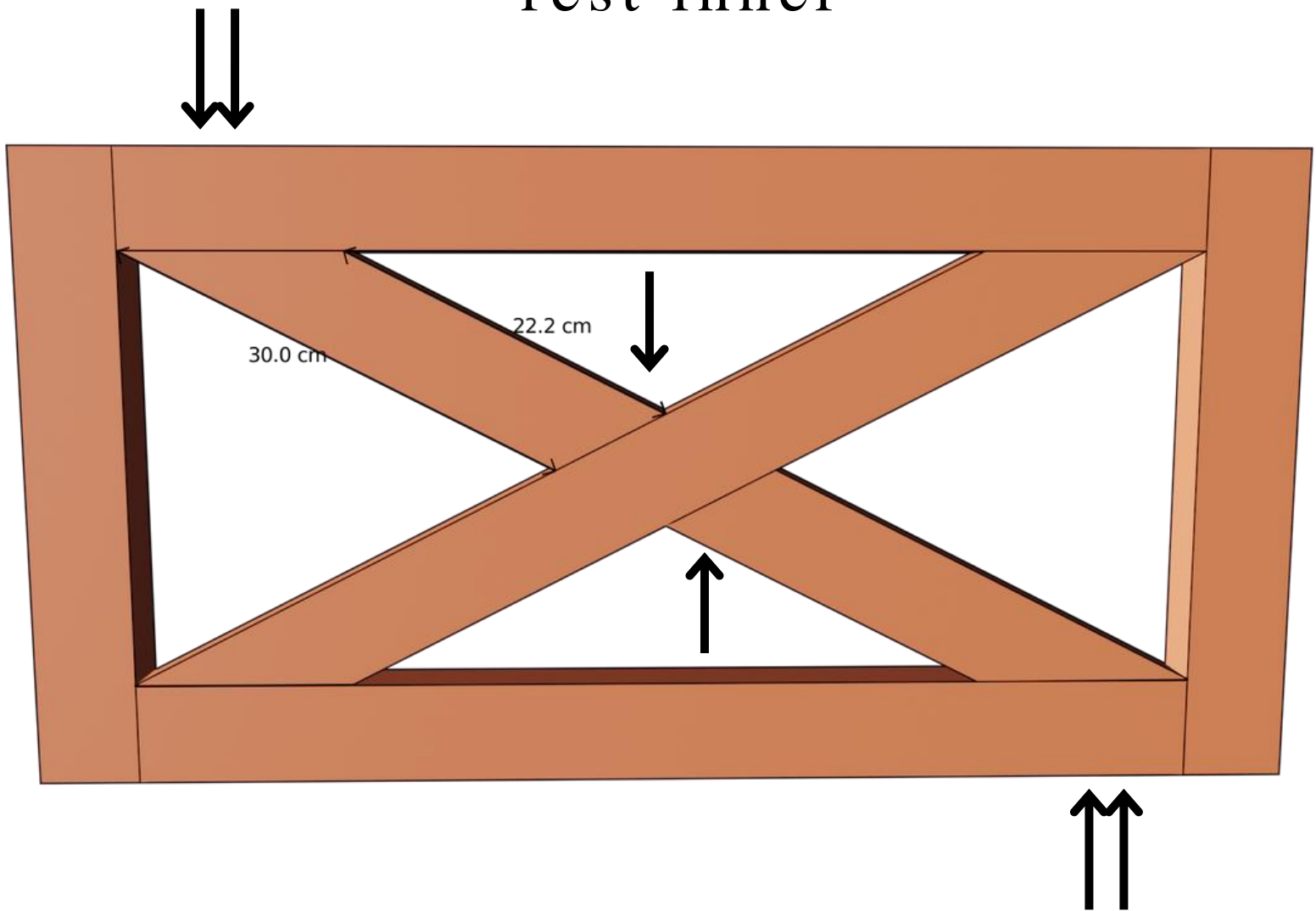
Cutting the second arm rest inner



- Use a 3.8cm thick length to lay it across your frame the opposite way and mark the cuts as shown
- The goal is to now have the plank's top left (A) and bottom right (B) corners sit in the frame corner after it's been cut
- This length will get cut into two parts with the section C being fully removed as they will need to sit snugly around the first cross section
- Use a pencil or pen to mark where the piece of wood needs to be cut to slot into the frame perfectly

6

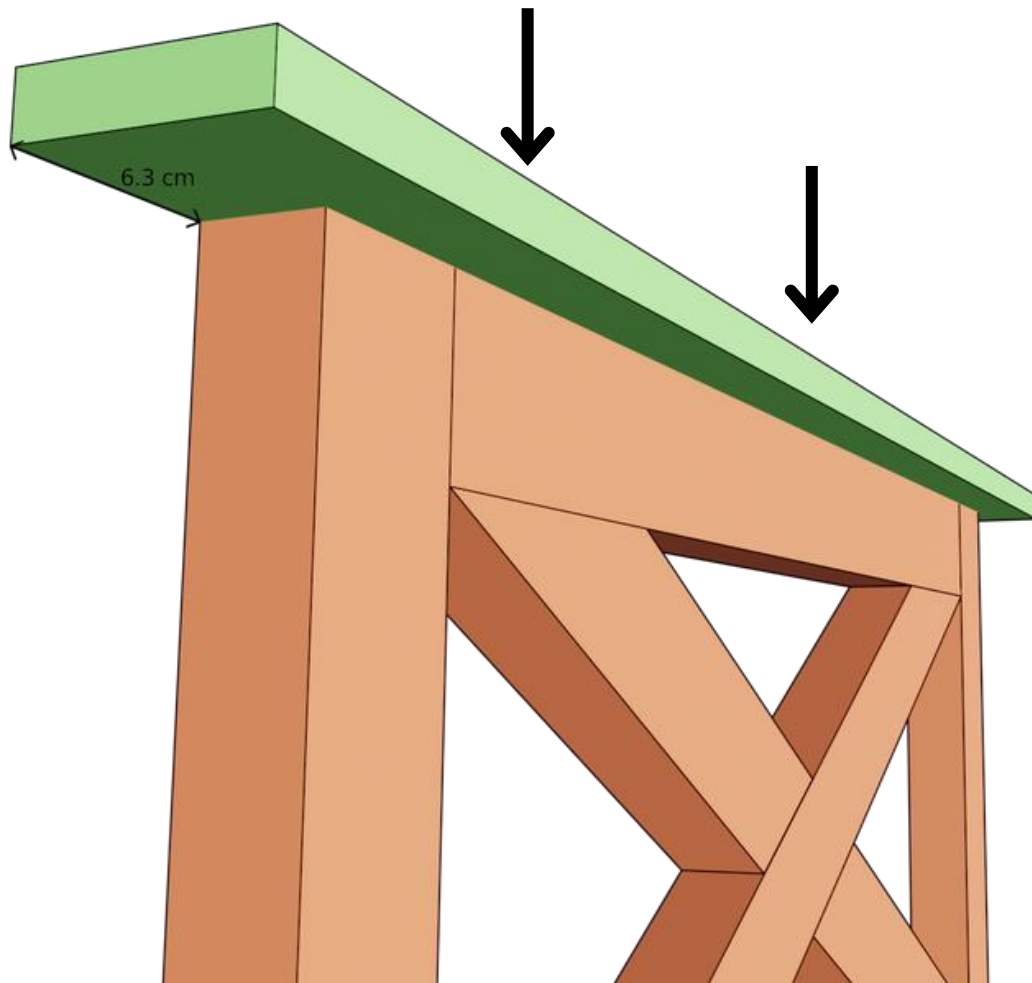
Attaching the second arm rest inner



- Cut off the marked bits of wood
- Make sure the cut pieces fit snugly inside of the arm rest frame
- Pop a couple of the 100mm screws in to hold the pieces in place
- To attach these at the inner cross sections, use the 40mm screws where shown by a single arrow
- You can sink these in and use filler to hide them if you want
- Repeat this on the other arm rest

7

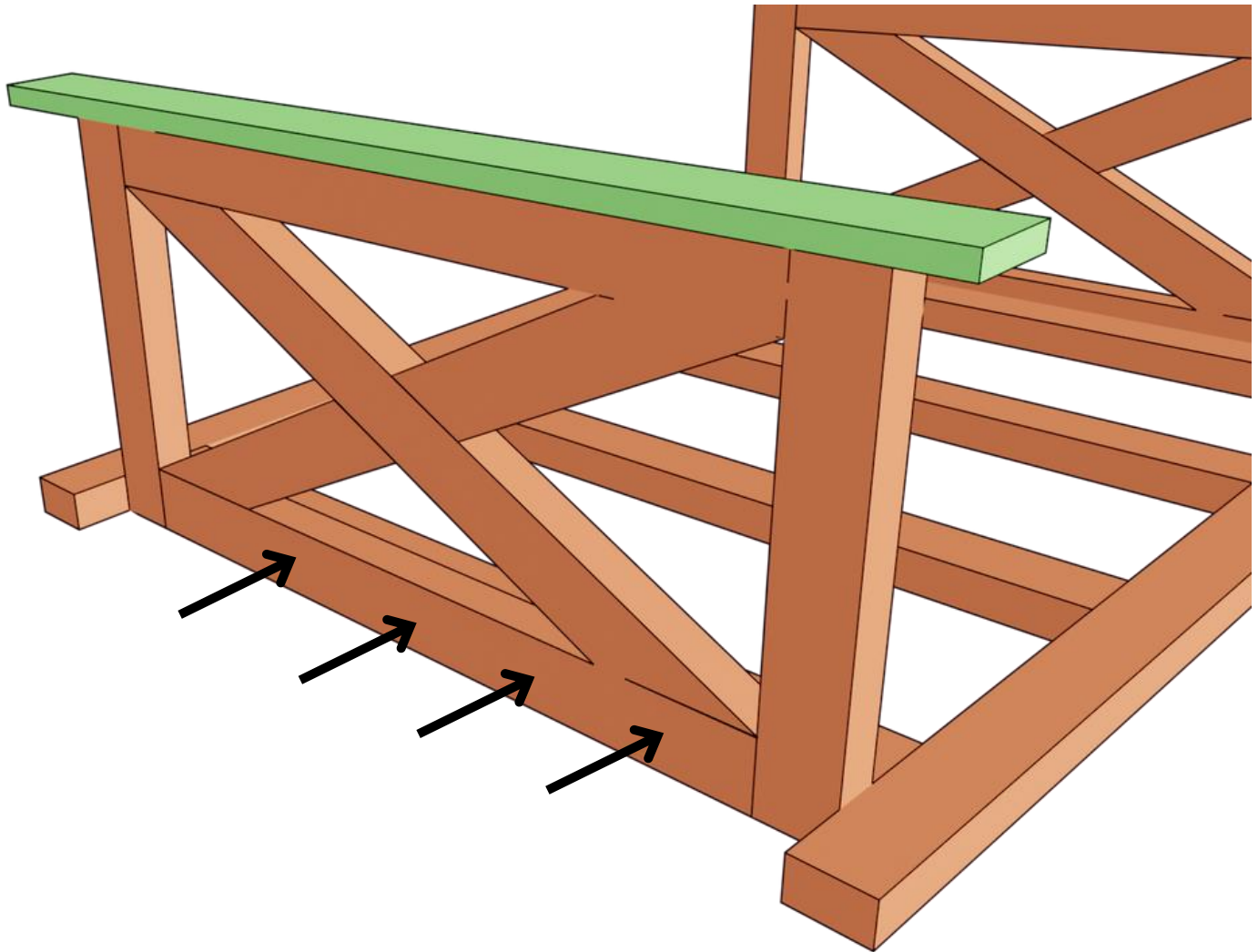
Attaching the top of the arm rests



- Place the 1.8cm thick wood on top of the arm rests so that each end is hanging over the frame by 6.3cm
- The inside of the arm rests should be flush with the arm rest top
- It should hang over the other side
- Use a couple of the 40mm screws to screw down the arm rests
- Pictured is the right arm rest when looking at the chair; left when sitting in the chair

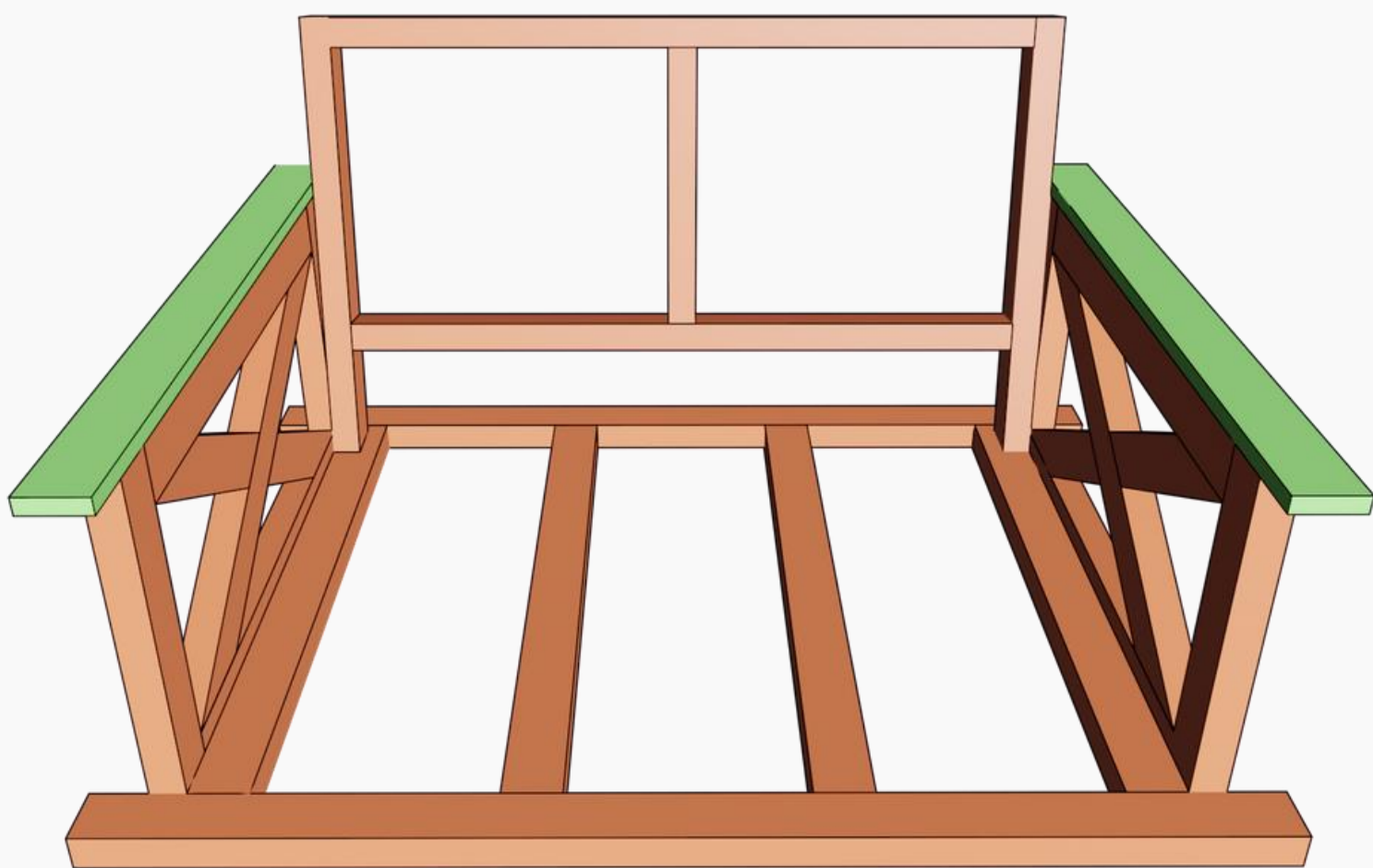
8

Attaching the arm rests to the chair



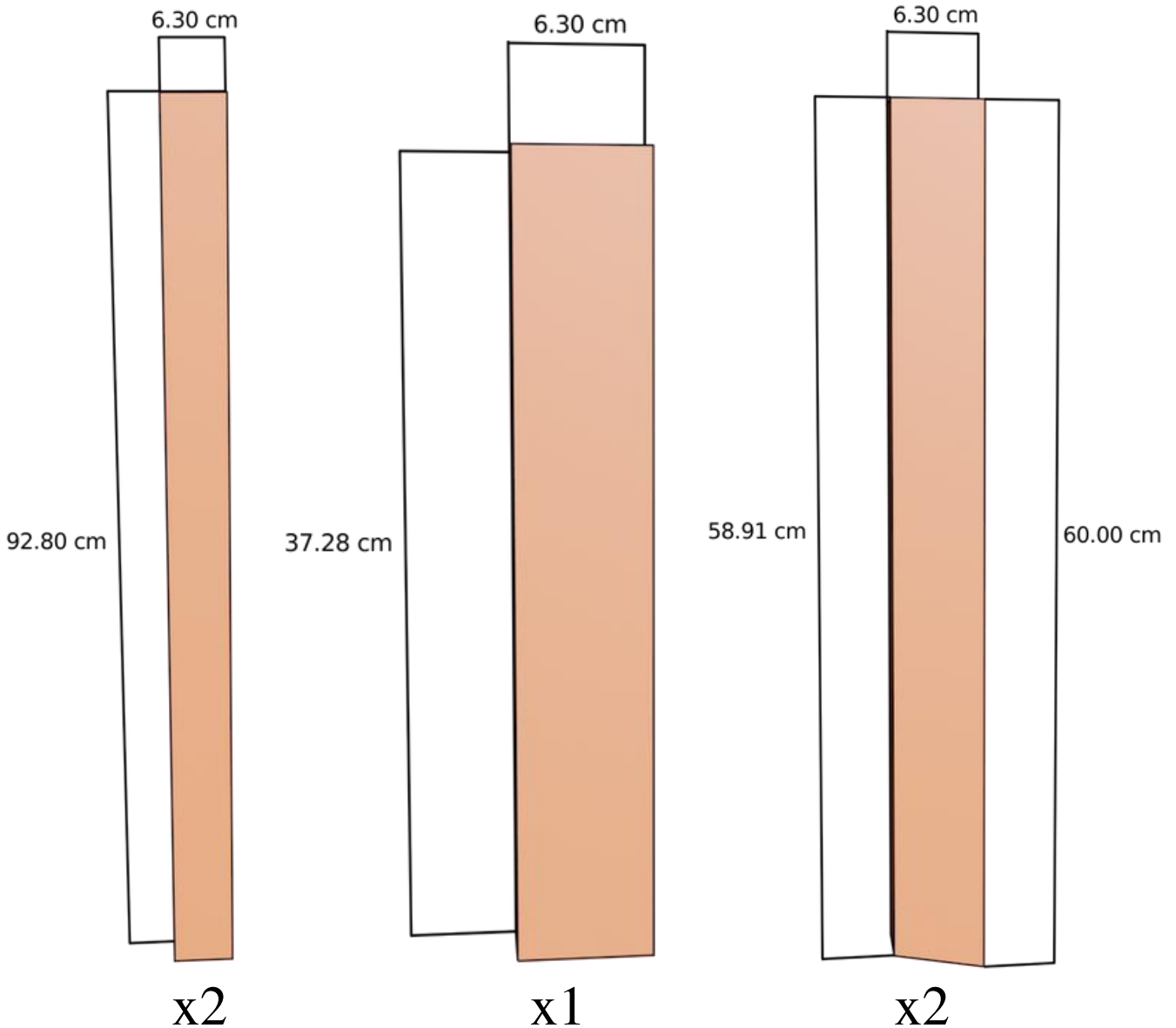
- Position each arm rest to snugly fit next to the bottom of the chair
- Use the 100mm screws to screw the arm rests to the frame
- Make sure it's on tight as the back will be attached to the arm rests
- Pictured is the left arm rest when looking at the chair; right when sitting in the chair

Making and attaching the back frame



1

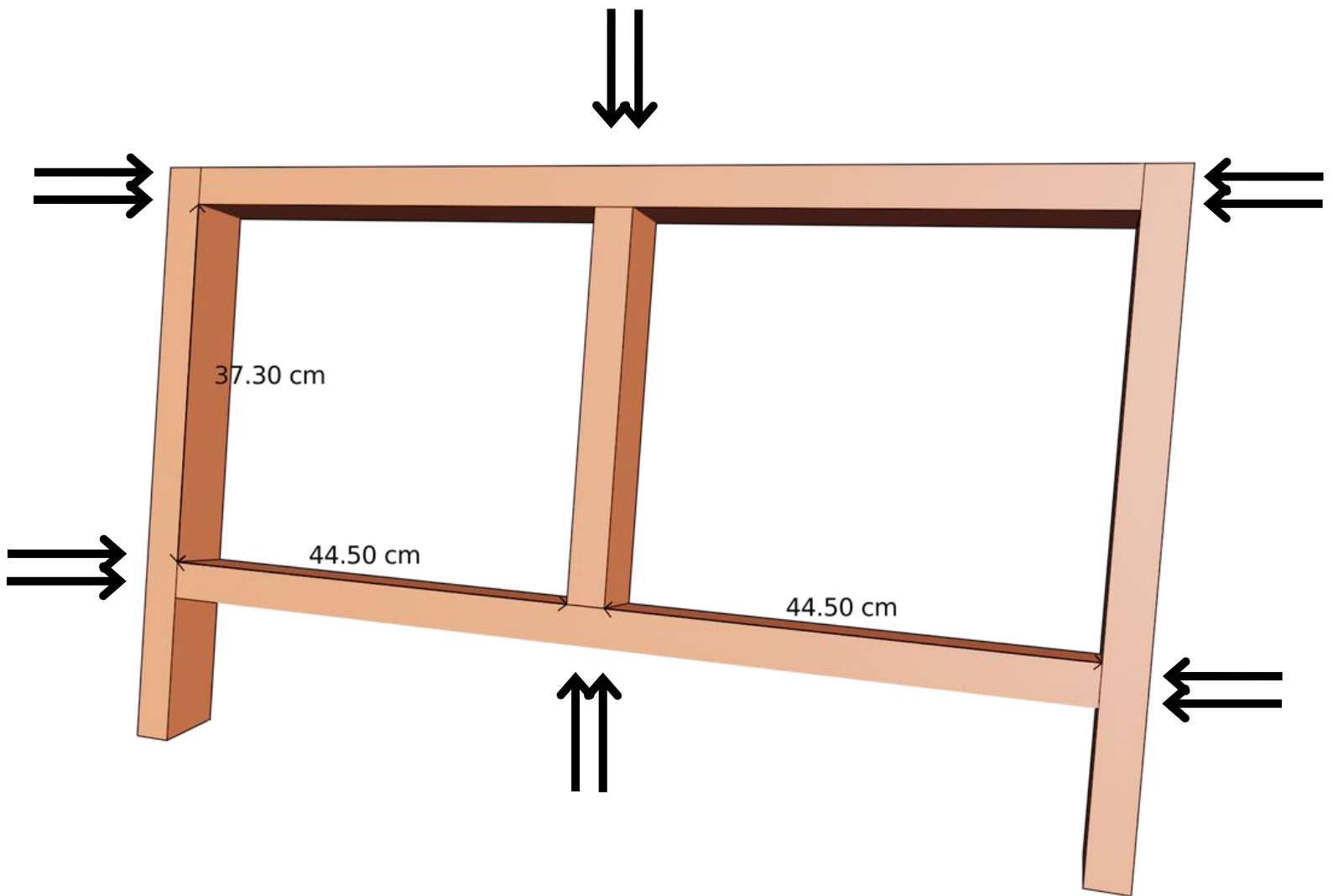
Cutting wood to size



- Use the 3.8cm thick wood to cut x2 lengths of 92.8cm and x1 length of 37.28cm
- Cut x2 more lengths measuring 60cm on the right and 58.91cm on the left
- This will create a sloped edge at the bottom of these planks

2

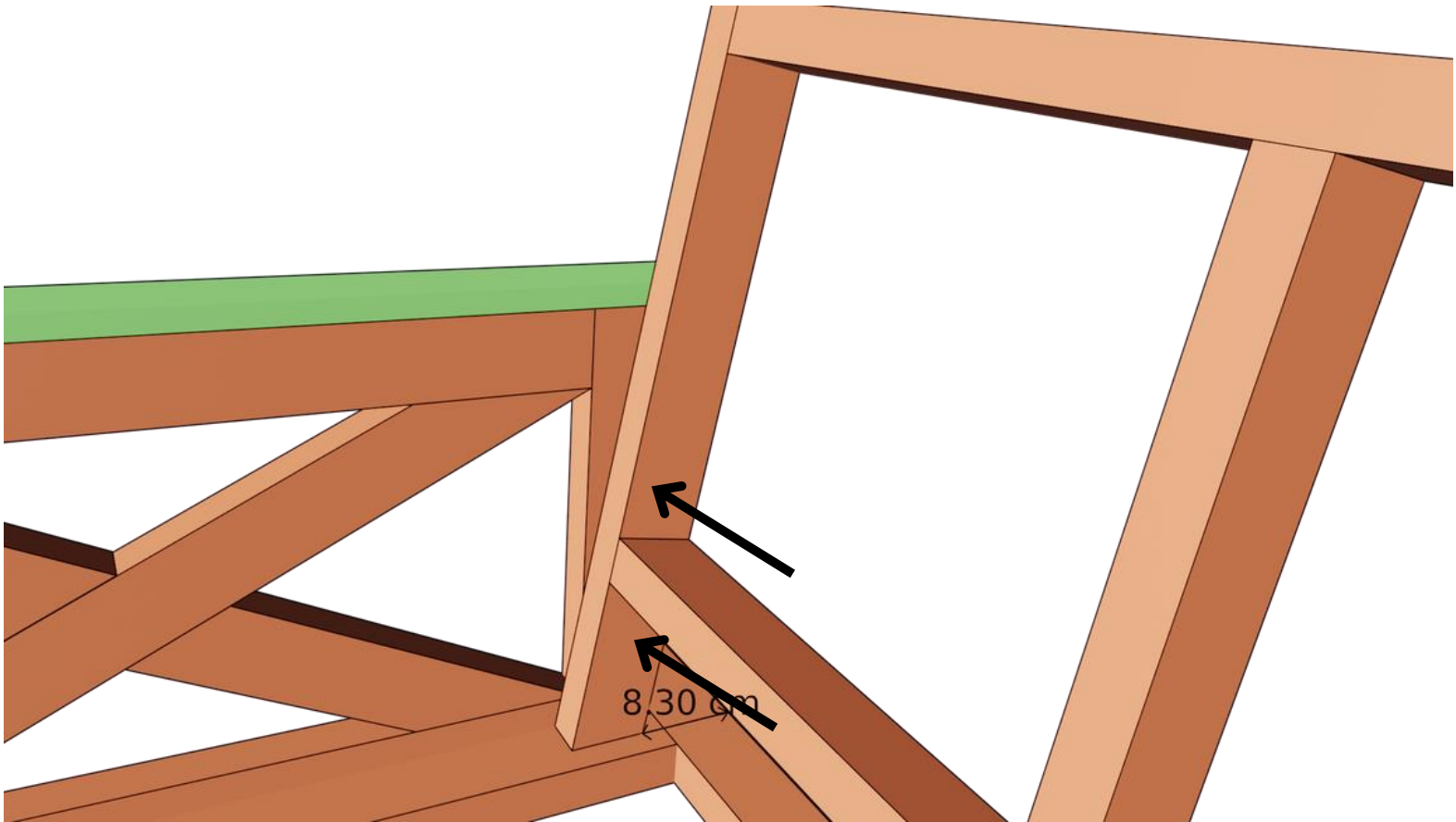
Assembling the back



- Assemble the cut pieces as shown by screwing them together
- Use the sloped pieces as sides and 92.80cm pieces as the top and bottom
- Leave a gap of 37.30cm between them which should just fit the short middle piece in
- Make sure this piece is centered between the sides

3

Attaching the back



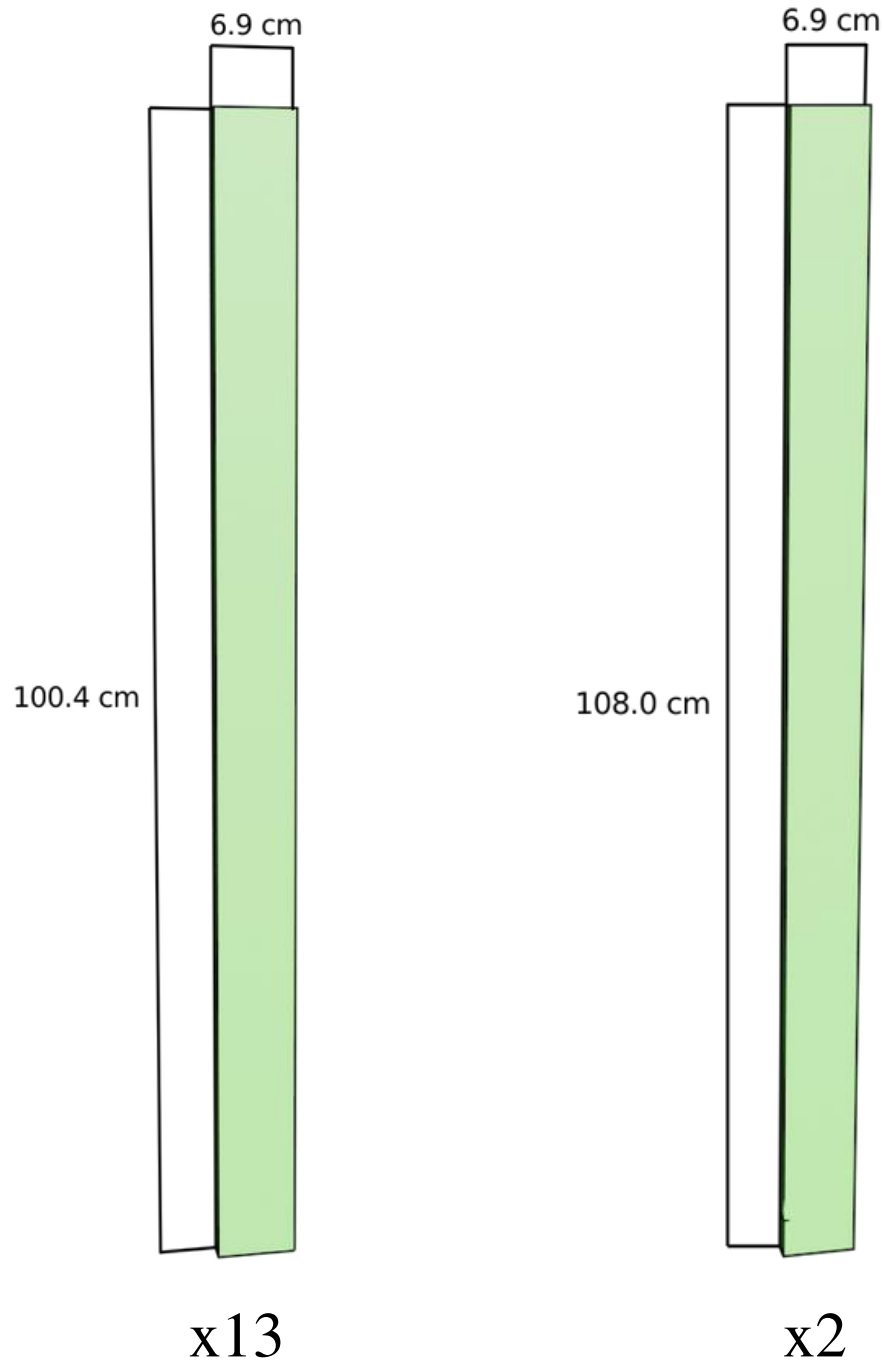
- Position the back in between the arm rests 8.3cm away from the back of the chair
- The sloped ends should sit flush with the bottom - this should make the back slope about 10 degrees
- Use your drill to drill a hole through the sloped piece and the arm rests big enough for the coach bolts
- Screw the arm rest and the sloped back together using the coach bolts
- Repeat on the other side

Attaching the seating planks



1

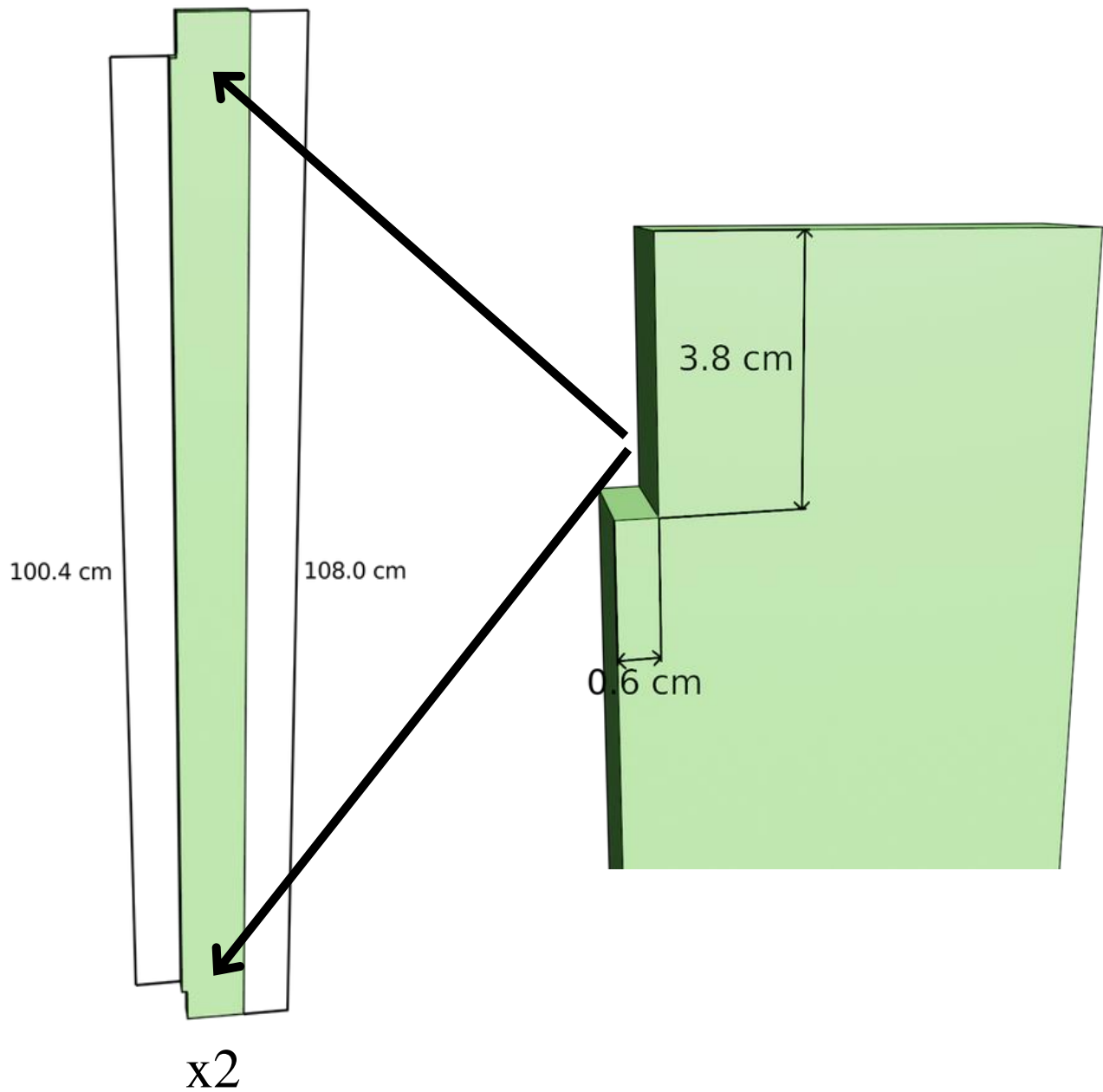
Cutting wood to size



- Use the 1.8cm thick wood to cut x13 lengths of 100.4cm and x2 lengths of 108cm

2

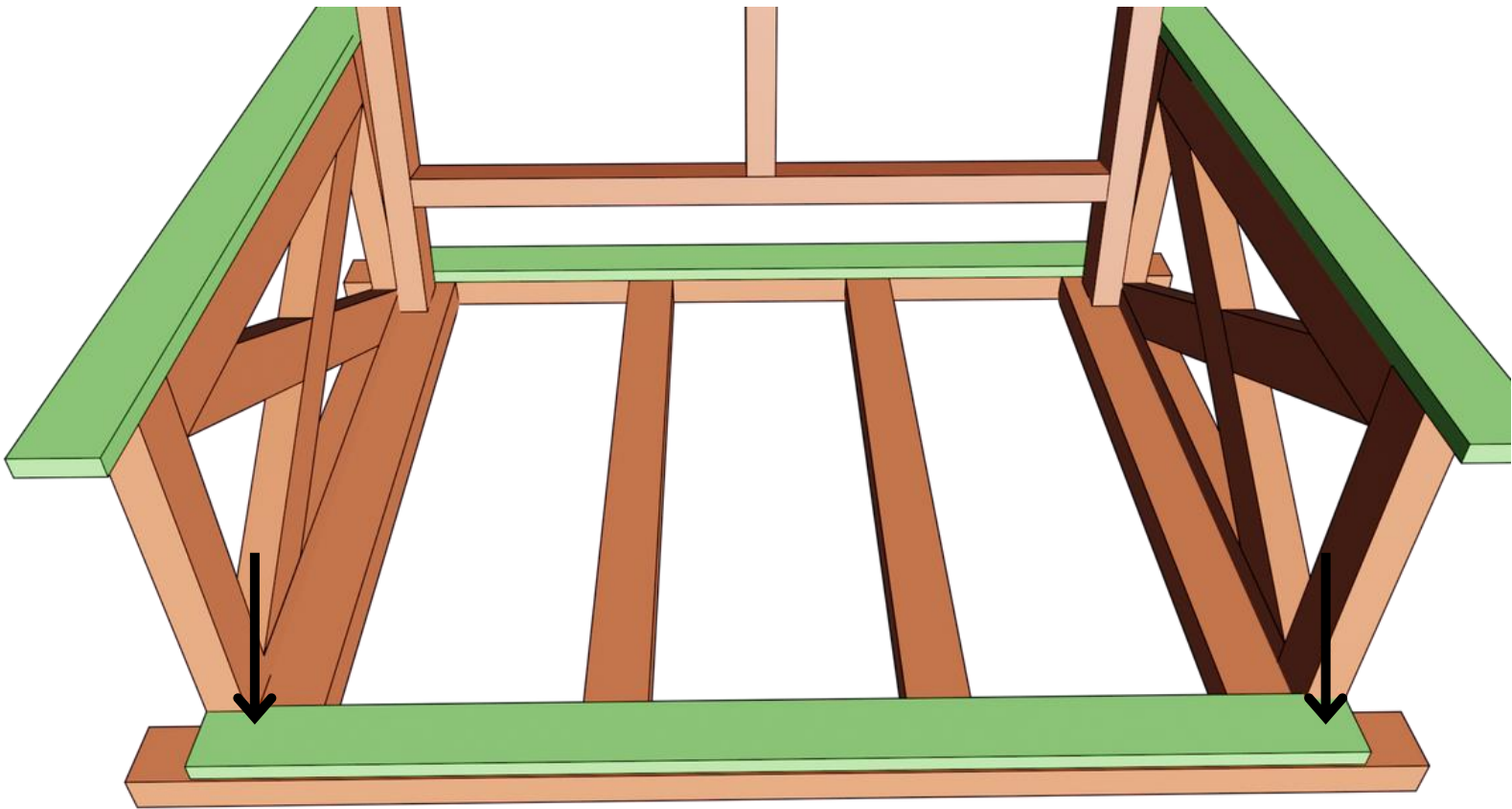
Cutting the first and last seat piece



- Cut both of the 108cm pieces to fit around the arm rests at the front and back of the seat
- On one side of each plank, you need to take out a sliver of wood measuring 0.6cm x 3.8cm using your handsaw

3

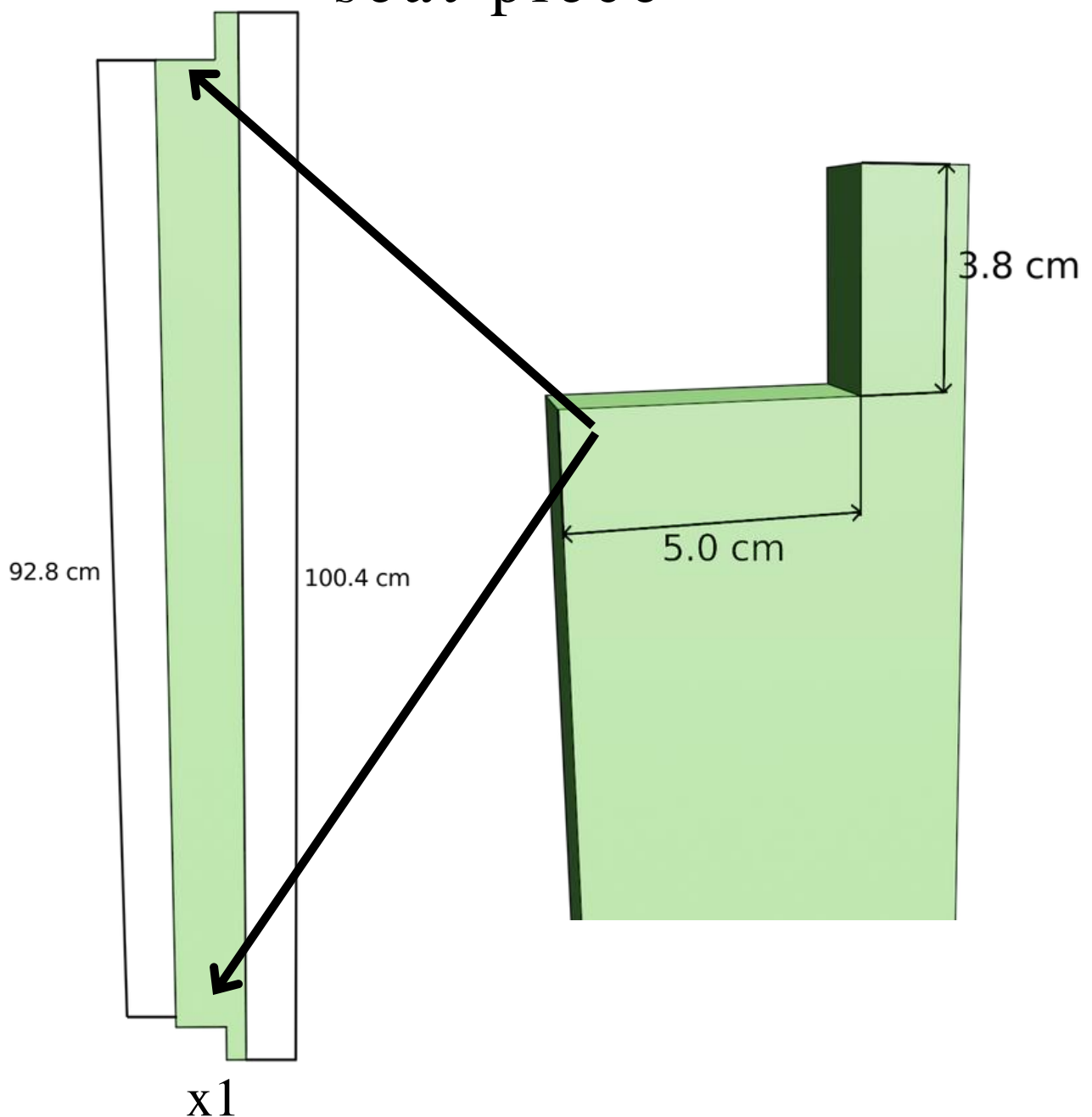
Attaching the first and last seat piece



- Use the 40mm screws to attach the cut planks to sit flush with the front and back of the seat

4

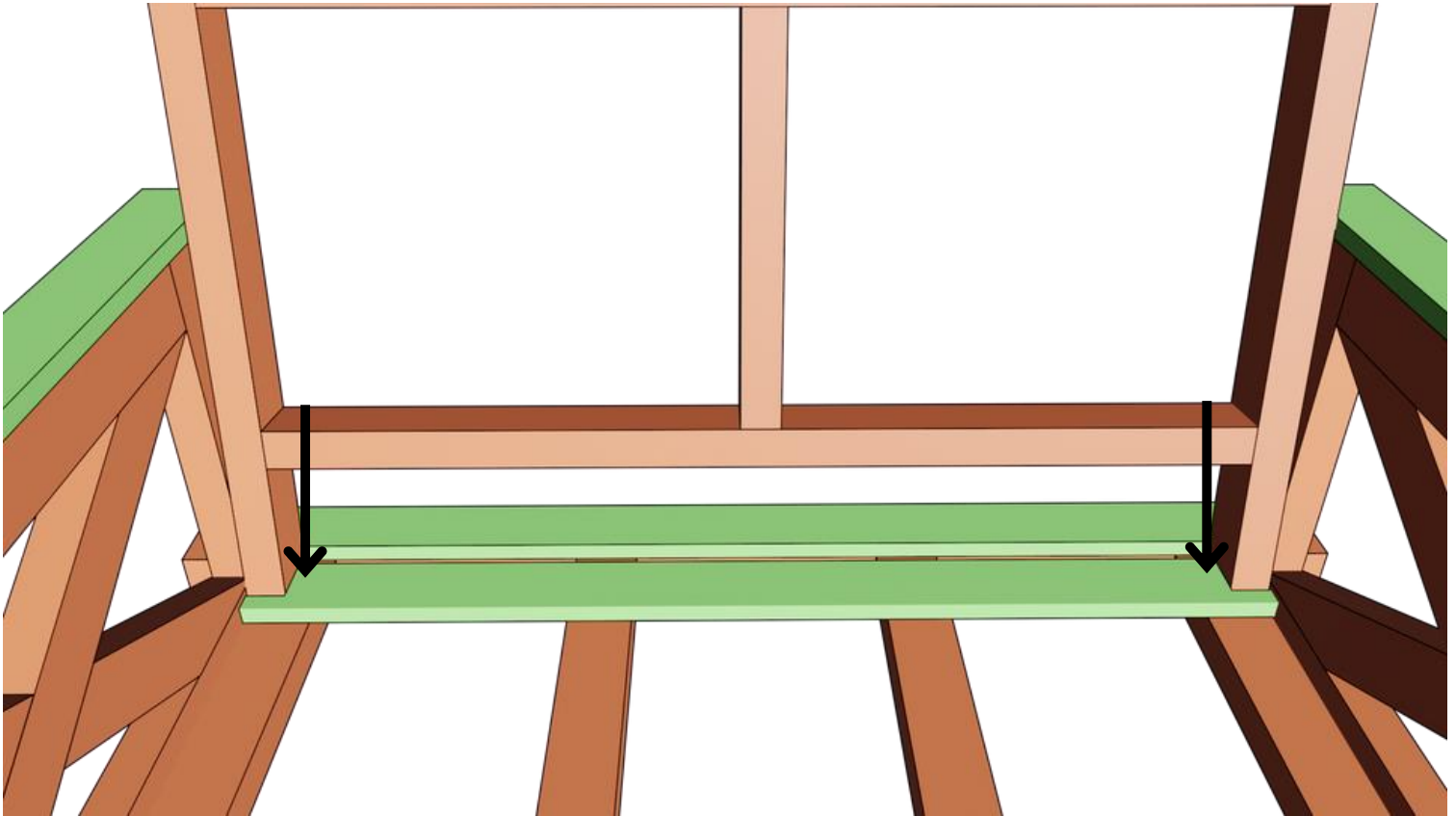
Cutting the second to last seat piece



- Cut one of the 100.4cm pieces to fit around the back support as shown
- On one side of the plank, you need to take out a chunk of wood measuring 3.8cm x 5cm using your handsaw

5

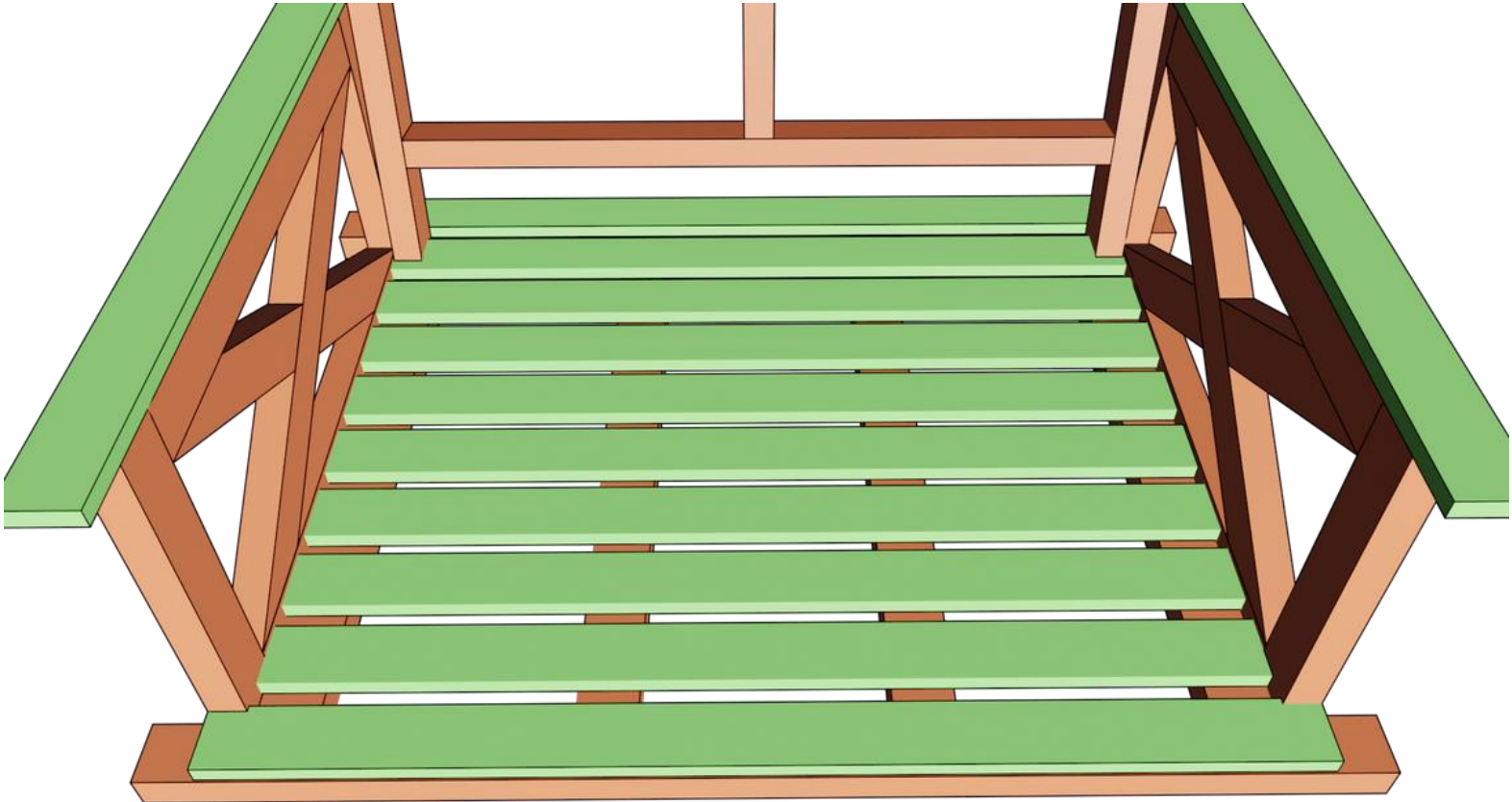
Attaching the second to last seat piece



- Use the 40mm screws to attach the cut plank to sit flush with the back supports

6

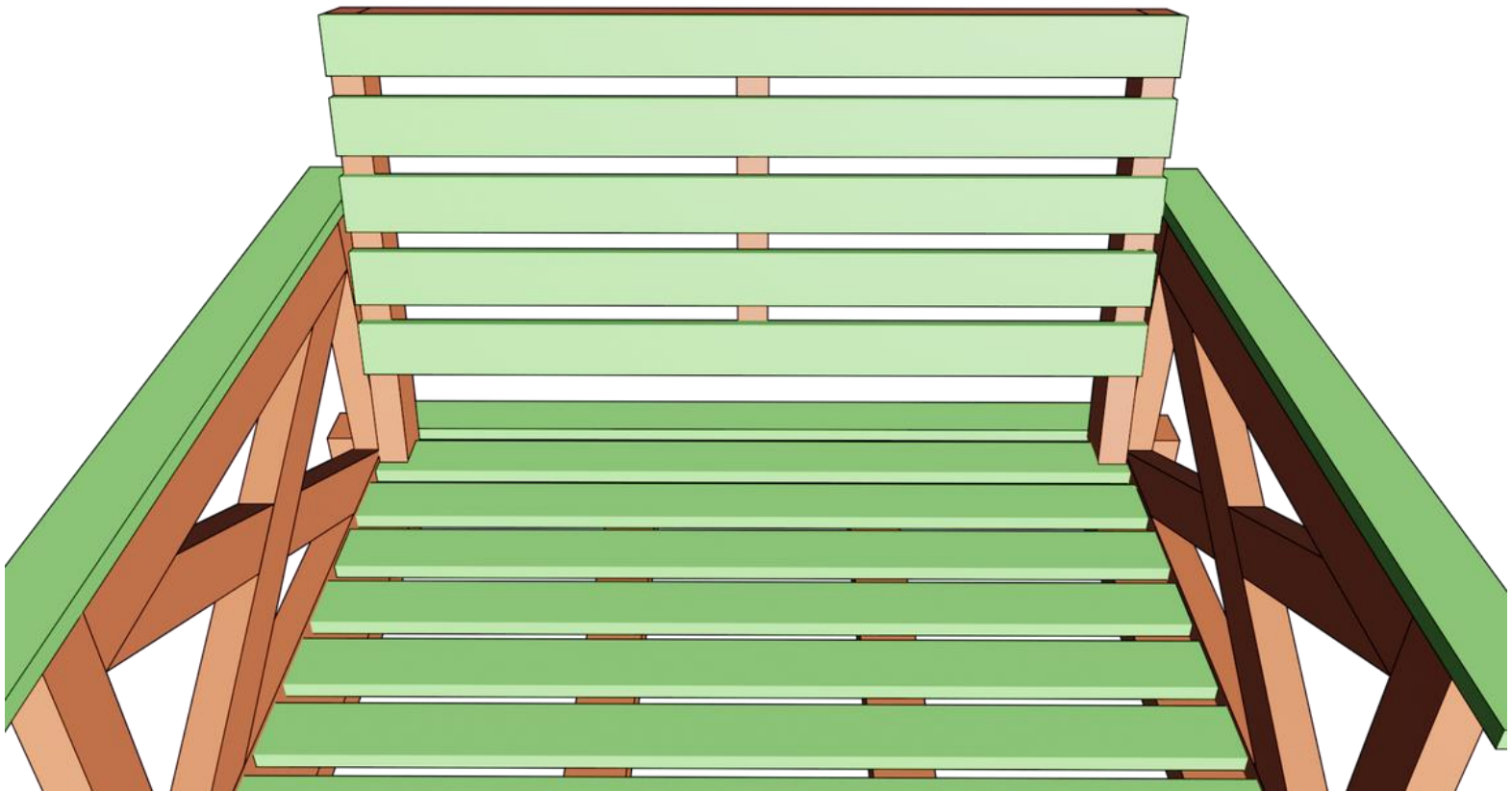
Attaching the rest of the seating



- Use the 40mm screws to attach 7 of the remaining planks to the seat
- Try to space them evenly - there should be roughly 2.67cm between them

7

Attaching the back slats



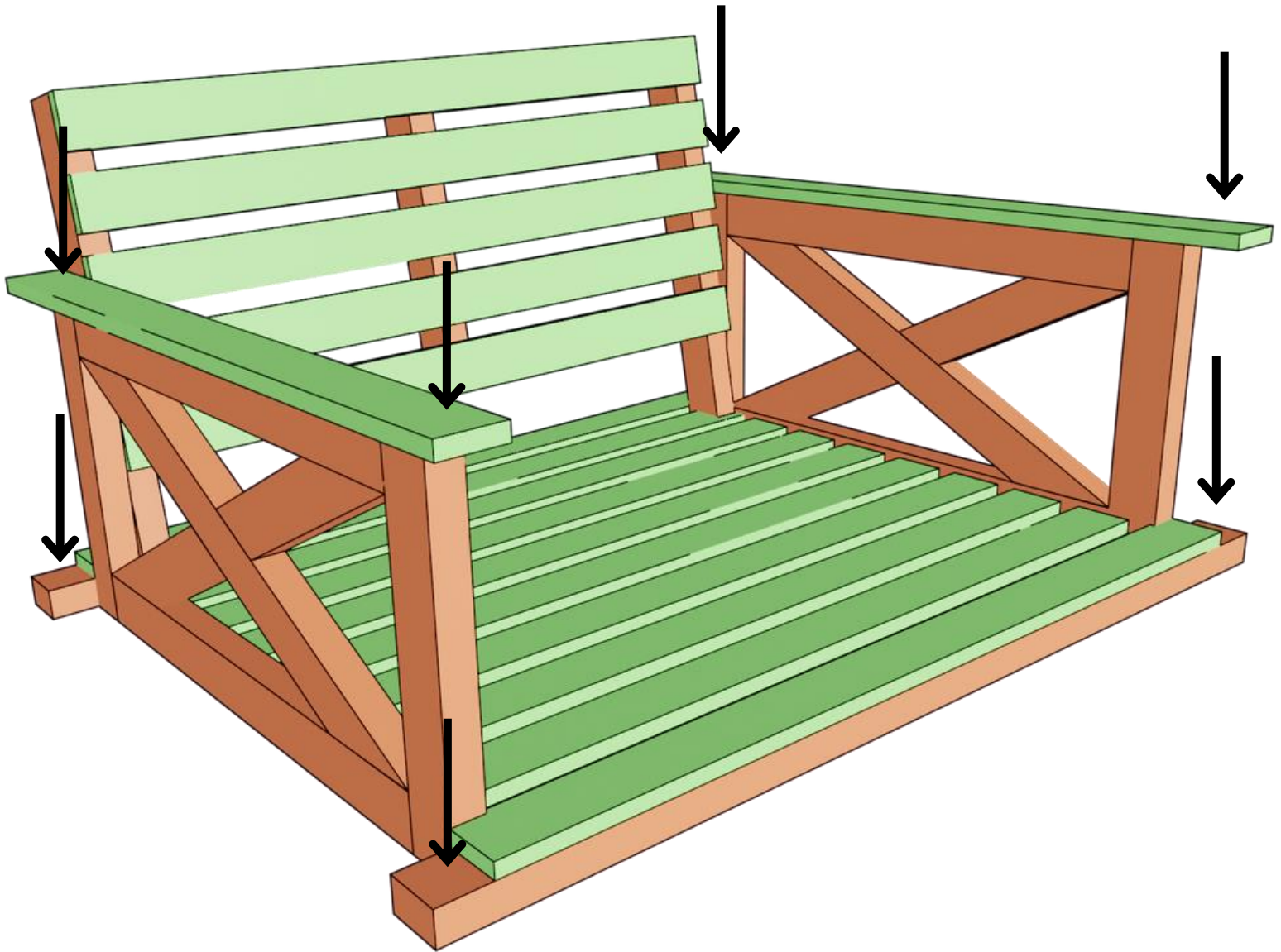
- Use the 40mm screws to attach the last 5 planks to the back
- The top one should sit flush with the top of the chair
- The bottom one should just cover the bottom back support plank

Drilling holes for hanging the seat



1

Drilling holes



- This design allows the seat to be hanged by attaching eye bolts to 4 ends of the bottom frame that are hanging out. You are also able to drill holes in the hangover of the arm rests to put the rope/ chain through for extra seat stability

Congratulations, you are finished!

Note from the author:

Hi!

My name is Ida and I have a small blog which is a humble place for all aspiring woodworkers, decorators, upcyclers, general DIYers, gardeners and other creatives.

If you've enjoyed this project, check out our other inspiring projects by clicking below.



If you like Pinterest, you can find my account [here](#).
