

# Joining timber

## What you will learn

When you have finished the worksheets on joining timber, you should be able to:

- Identify the common types of timber-joint.
- Choose the correct joint for a job.
- Make simple joints correctly.
- Choose the correct fixings (nails, screws, bolts for example).
- Fix simple joints correctly.

### Tools or equipment

You will need tools to make joints:

Measuring and marking tools

Saw, chisels

Vice or clamps

Hammer, screwdriver and drill

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### Course resources

Course Video. This shows you some joints and fixings like nails and screws.

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# What types of joints do we use?

Here are some pictures of buildings showing how timber is joined together.

## Traditional/customary joints





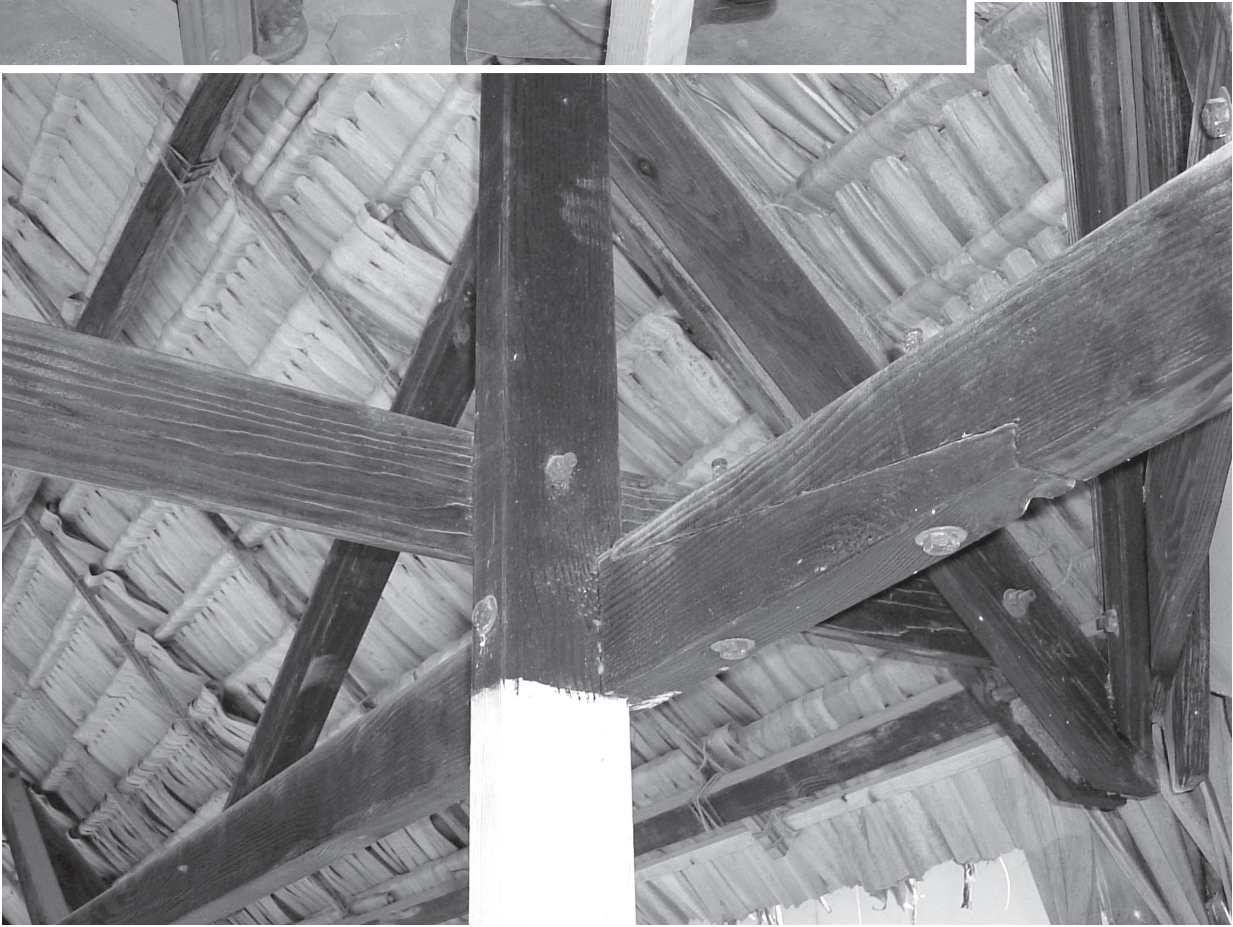
**Joints used for new-style construction:**

**Joints cut into the wood**





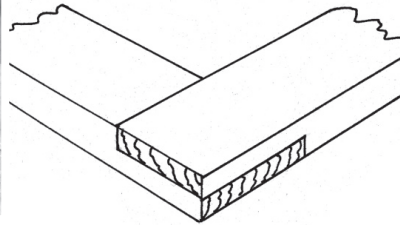
**Joints fixed with nails, bolts or screws**



Here are some pictures of common timber joints



*Butt joint*



*Lap or halving joint*



*Housing or dado joint*

**Look back at the photos of buildings.**

- Which of the joints can you find?
- Can you find any joints made with nails — and bolts ?
- What sort of joints can you see around you in the room?

## What types of fixings can you use?

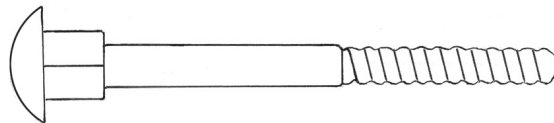
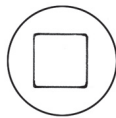
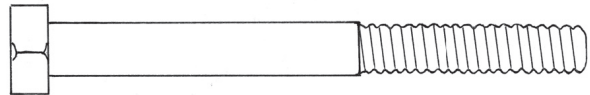
Here are some types of fixings



*Nail*



*Screw*



*Bolt*

What else can you use to fix timber together?

What sort of fixings do you have where you live?

## Which type of fixing is best?

Your tutor will talk to you about the best sort of fixings. What do you think?

# Now work through each worksheet

## Each worksheet shows

- what the joint is normally used for
- how the joint is made
- how the joint is fixed

## Your tutor will show you:

- examples of each joint.
- how to make each joint correctly
- the dangers to watch out for — and the safe way to do things

## You will:

- practise making each type of joint.
- work in groups of 2 or 3 people.
  - talk to each other
  - help each other to get things right and make good joints
  - check that others are doing things safely.