

Name _____

Class _____

Date _____

By the end of this worksheet I can...

- ☐ choose sash, G, mitre and band cramps
- ☐ explain the purpose of dry cramping
- ☐ glue up and check a frame for square

I DO**Worked example** Read how a full-mark answer is built*A pupil is gluing up a coffee table frame.***1 Describe two safety or quality checks to make after the frame is cramped.** (2 marks)**Points that earn marks** from the marking instructions: one ✓ per point

- ✓ Measure the diagonals to check the frame is square
- ✓ Check the frame isn't twisted (winding) by sighting across it

WE DO**Guided practice** Use the starters and word bank to help you*A G-cramp is used to hold a small part while the glue sets.***2 Describe how to stop the cramp marking the wood.** (1 mark)**Sentence starters**

First, ...
Next, ... using a ...

Word bank

blocks · between

Tip: 1 marks = 1 separate, developed points.

YOU DO**On your own** No notes. Check your answers afterwards.**3 Quick check: tick one box for each.**

- a) How do you check a frame is square after cramping?**
☐ Look at it ☐ Use a marking gauge ☐ Measure both diagonals ☐ Measure the width only
- b) Which cramp would you use to glue a picture frame's mitres?**
☐ A pair of long sash cramps ☐ The bench vice and a softwood block ☐ Two G-cramps, one at each corner ☐ Mitre or band cramp
- c) What is the purpose of dry cramping?**
☐ To help the glue set and dry faster ☐ To check the fit and squareness before gluing ☐ To stain the wood evenly before assembly ☐ To clean dust out of the joints before gluing
- d) How do you stop a G-cramp marking the wood?**
☐ Use scrap blocks under the jaws ☐ Tighten the cramp as much as possible ☐ Use more glue so the cramp slides ☐ Wet the wood so it doesn't dent

4 Key terms: write the letter of the matching description next to each term.

1. Sash cramp	___	A A trial assembly without glue to check fit and squareness
2. G-cramp	___	B Holds mitre joints at 90°
3. Mitre cramp	___	C Small cramp for holding work to the bench or small parts together
4. Band cramp	___	D A strap for irregular or many-sided shapes
5. Dry cramping	___	E Measure both diagonals: they should be equal
6. Checking a frame is square	___	F Long bar cramp for frames and carcasses

Before gluing the frame, the pupil dry cramps it.

5 Explain the purpose of dry cramping. (2 marks)

6 Explain what is meant by 'Stopping cramps denting the wood'. (2 marks)

7 Explain what is meant by 'Why wipe off excess glue'. (2 marks)

Check and reflect

Mark your answers with the answer sheet. Go back to the checklist on the site and re-rate each "I can" statement above. Which one still needs work?
