

Model Answers

Domain

Furniture Operations

Unit

25572 v2

Demonstrate Knowledge of
Hardware used in Furniture Making
and its Application

Level 3

Credits 6

Assessment Information

Entry Information

There are no pre-requisite requirements for this unit.

Required Evidence

This Assessment Guide, that includes the following completed assessment tasks:

- » Questions

Appeals

The candidate must understand the appeals process before carrying out this assessment.

Information about Competenz's assessment appeals process can be found on the Assessors and Moderators page of Competenz's website www.competenz.org.nz.

Assessment Requirements

This Assessment Guide is designed to help you provide evidence of your skills and knowledge required by this unit standard.

Before you begin

Read through the assessment requirements yourself. Talk with your Assessor if there is anything you don't understand.

Meet with your Assessor to plan your assessment. Your Assessor will:

- » talk you through this Guide, and discuss when and how you will be assessed.
- » check you are ready to begin this assessment.

What you need to do

1. Complete the following assessment tasks:

Questions	Answer questions about hardware used in furniture making and its application.
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Note: Your Assessor may choose someone to verify and/or observe your work. This person must have expertise in furniture operations and could be someone you report to, your trainer, or a supervisor or manager who works with you regularly.

2. You may wish to provide additional supporting evidence that proves you have the knowledge and skills required by this unit. Additional evidence may include, for example, workplace documentation you have used and/or completed, training records, photos, screenshots, printouts, videos, voice recordings.
3. When you have completed all assessment tasks, complete the 'Candidate evidence check' at the end of this Guide.
4. When you are sure you have completed and/or attached everything, contact your Assessor or Account Manager to arrange next steps.

Conditions

- » Your evidence must clearly show you can:
 - » Demonstrate knowledge of hardware used in furniture making and its application.
- » Complete all assessment tasks yourself. Use your own words when answering questions.
- » This unit standard may be assessed against on-job or off-job.
- » This is a closed book assessment. You must complete it without looking at any training material.
- » All tasks you carry out for this assessment must be completed following workplace procedures, and comply with organisational and legislative (legal) requirements.
- » This unit standard covers knowledge of decorative hardware, connecting fittings, hinges, locks and catches, drawer runners, sliding and folding door fittings, tables and furniture base fittings. Use of these fittings is covered in unit standards where jobs require these fittings to be used. Knowledge and use of nails, screws, butt hinges, and magnetic and ball catches are covered in Unit 18915, *Use fixing hardware in furniture making*.
- » Assessors must record a summary of any oral responses in the assessment materials.

References

The assessment tasks must be completed in accordance with the following reference texts:

- » Jackson, A. and Day, D., (2005) *Collins Complete Woodworker's Manual*. London, England: HarperCollins, which is available at: <http://www.amazon.com>.

Further information

The following legislation (law) applies to this unit standard:

- » Health and Safety at Work 2015 (which replaced the Health and Safety in Employment Act 1992 on 4th April 2016).

Note: This unit standard includes references to laws that are now out-of-date (see above). Assessment tasks must be completed in accordance with the latest laws. There may be a transition period where answers relating to the earlier law may be acceptable. This decision is at the discretion of the Assessor.

Visit www.legislation.govt.nz for the latest NZ laws.

Unit Standard Evidence Map

Unit 25572 v2	Demonstrate Knowledge of Hardware used in Furniture Making and its Application	Level 3	Credits 6
Outcomes and Evidence Requirements		Evidence	No.
Outcome 1: Demonstrate knowledge of hardware used in furniture making and its application.			
1.1	Different categories of hardware and their application are described in accordance with the reference text. Range: decorative hardware, connecting fittings, hinges, locks and catches, drawer runners, sliding and folding door fittings, tables and furniture base fittings.	Questions	1
1.2	Three examples of commonly used decorative hardware are identified and a situation where each would be used is explained in accordance with the reference text. Range: may include but is not limited to – handles, knobs, flush handles, hooks.	Questions	2
1.3	Three examples of commonly used connecting fittings are identified and a situation where each would be used is explained in accordance with the reference text. Range: may include but is not limited to – cam, dowel connectors, work top connector.	Questions	3
1.4	Three examples of commonly used hinges are identified and a situation where each would be used is explained in accordance with the reference text. Range: may include but is not limited to – concealed hinge, piano hinge, glass door hinge.	Questions	4
1.5	Three examples of commonly used locks and catch are identified and a situation where each would be used is explained in accordance with the reference text. Range: may include but is not limited to – drawer lock, door lock, cabinet catch.	Questions	5
1.6	Three examples of commonly used drawer runners are identified and a situation where each would be used is explained in accordance with the reference text. Range: may include but is not limited to – single extension, double extension, metal sided runner, soft close runner.	Questions	6
1.7	Three examples of commonly used sliding and folding door fittings are identified and a situation where each would be used is explained in accordance with the reference text. Range: may include but is not limited to – multi track, single track, bifold track.	Questions	7
1.8	Three examples of commonly used tables and furniture base fittings are identified and a situation where each would be used is explained in accordance with the reference text.	Questions	8

Range: may include but is not limited to – adjustable feet/legs, corner brackets, table extensions.		
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Any queries, contact: Kompetenz, PO Box 9005, Newmarket, Auckland 1149. Ph. 0800 526 1800

Questions

Answer the following questions about demonstrating knowledge of hardware used in furniture making and its application

Use your own words. You can answer the questions in writing, or give your answers verbally to your Assessor who will write down what you say. You may need to arrange this in advance with your Assessor.

Draw pictures or diagrams to support your answers if you wish.

Your Assessor may ask you additional questions to check your knowledge and understanding.

Judgement statements

- The candidate's written and/or verbal responses support their competency.
- Job specifications must be sufficient to satisfy all the evidence requirements of this assessment.

Your name	
Workplace	
Answers written by: (Tick one)	<input type="checkbox"/> Candidate <input type="checkbox"/> Assessor <input type="checkbox"/> Other (please write):

1. Describe the main use of each of the following categories of hardware.

Assessor

This question supports E.R. 1.1.

Decorative hardware

Answer

Mostly handles and other fittings attached to furniture to improve the Look.

Connecting fittings

Answer

Used for jointing.

Hinges

Answer

Allow opening and closing of doors of varying shapes and sizes.

Locks and catches

Answer

To allow shutting and locking of drawers or doors

Drawer runners

Answer

Used to allow easy opening and closing of drawers.

Sliding and folding door fittings

Answer

Both are used to allow doors to be opened to the side rather than out.

Tables and furniture base fittings

Answer

Used to strengthen and hold furniture components together.

2. Identify three examples of commonly used decorative hardware and list each example below. Explain a situation where each of the examples would be used.

Assessor

This question supports E.R. 1.2

Answers

Example 1:

Brass handles – used for opening and closing doors or drawers.

Example 2:

Brass hinges – used to improve look of completed furniture article.

Example 3:

T-hinge – used for decorative style finish eg. country style furniture

3. Identify **three** examples of commonly used connecting fittings and list each example below. Explain a situation where each of the examples would be used.

Assessor

This question supports E.R. 1.3

Answers

Example 1:

Cam – for connecting butt joints.

Example 2:

Screws – used to support joints.

Example 3:
Panel connector – used to support large surface areas.

4. Identify **three** examples of commonly used hinges and list each example below. Explain a situation where each of the examples would be used.

Assessor

This question supports E.R. 1.4

Answers

Example 1:

Butt hinge – used for house-hold doors and windows.

Example 2:

Flap hinge – allows a flap to lie flush.

Example 3:

Concealed cabinet hinge – used for kitchen joinery

5. Identify **three** examples of commonly used locks and catch, list each example below. Explain a situation where each of the examples would be used.

Assessor

This question supports E.R. 1.5

Answers

Example 1:

Spring-loaded ball catch – used in furniture to keep doors shut.

Example 2:

Cabinet lock – used in cabinetry to secure drawers and cupboards.

Example 3:

Sliding door lock – cylinder lock used to secure overlapping sliding doors.

6. Identify **three** examples of commonly used drawer runners and list each example below. Explain a situation where each of the examples would be used.

Assessor

This question supports E.R. 1.6

Answers

Example 1:

Timber runners – used in traditional drawers.

Example 2:

Metal drawer runner system – used for drawers if more fluid opening and closing required.

Example 3:

Side slot plastic runner, inserted groove in the side of the drawer – used in sets of drawers.

7. Identify **three** examples of commonly used sliding and folding door fittings and list each example below. Explain a situation where each of the examples would be used.

Assessor

This question supports E.R. 1.7

Answers

Example 1:

Track hung sliding door - used in wardrobes.

Example 2:

Wheel unit fitted to door gliding through a U channel – used in wardrobe doors or room dividers

Example 3:

Bi-fold door that side stacks to one side – used in laundry or wash-house area.

8. Identify **three** examples of commonly used tables and furniture base fittings, list each example below. Explain a situation where each of the examples would be used.

Assessor

This question supports E.R. 1.8

Answers

Example 1:

Corner plate – used in tables or chairs to strengthen and support between connecting components.

Example 2:

Tee nut – used in cabinetry.

Example 3:

Block joint – used in modern desk construction.

You have reached the end of the questions.

Candidate evidence check

Required evidence

Use this checklist to make sure you finished the assessment tasks in full.

Clearly name and label all attachments.

I have completed and/or attached:

- The Questions in this guide

Assessor

The required evidence for each assessment has been completed and/or attached.

Additional supporting evidence

If you have any other evidence which helps prove your skills and knowledge in this unit (such as completed documents, photos, videos or voice recordings), attach it and record it below.

Clearly name and label all attachments.

I have attached the following as additional supporting evidence:

Assessor

There is no requirement to attach additional supporting evidence.

Any additional supporting evidence is relevant and further supports the candidate's competency in this unit.

Assessor final judgement

After reviewing the candidate's evidence for Unit Standard 25572 v2, it is clear that the candidate can competently:

- Demonstrate knowledge of hardware used in furniture making and its application.

Assessor feedback to the candidate

Please provide specific feedback to the candidate about their performance in meeting the requirements of this unit standard.

Assessor

Assessor name recorded

Date

Date recorded