Worksheet 4 – 12998 (v3) – Demonstrate knowledge of carpentry hand tools

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| **Student name**: |

1. List three things that the manufacturer’s instructions will clarify about a tool.

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| 1.  2.  3. |

1. Why is it important that the cutting edges of tools are maintained in a sharp condition?

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1. What are the recommended grinding angles and honing for plane blades and chisels?
   1. Grinding angle.
   2. Honing angle.
2. What steps should be taken to obtain the best results from an oilstone?

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1. List the steps required to check the accuracy of a spirit level.

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1. Different tools are used for different tasks. Complete the table below to match a task (work operation) to the correct tool. In some cases the tool name is missing, in other cases it is the task that is missing.

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| Tool | Task | Tool | Task |
| Folding rule |  |  | Attaching flashings with blind rivets |
|  | Measuring lengths over one metre | Pliers |  |
| Carpenter’s pencil |  | Adjustable spanner |  |
| Combination square |  |  | Worn around the waist to hold hand tools and fixings |
|  | Marking angles and testing bevel cuts | Sanding block |  |
| Spirit level |  | Screwdriver |  |
| Marking gauge |  | Pinch bar |  |
| Butt gauge |  | Nail punch |  |
| Steel square |  |  | Driving in and pulling out nails |

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| Tool | Task | Tool | Task |
| Plumb bob |  | Brace and bit |  |
| Chalk line |  |  | Sharpening chisels |
| String line |  | Tinsnips |  |
| Dividers |  |  | Cutting reinforcing ties, wire, nails |
| Panel saw |  | Plane |  |
| Cross cut saw |  | Chisel |  |
| Wall board saw |  | Rip saw |  |
| Combination saw |  | Hand drill |  |
| Hack saw |  | Coping saw |  |
|  | Holding items while glue dries | Straight edge |  |
| Drill bits |  | Cutting knife |  |
| Socket set |  | Hole saw |  |

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| WORKSHEET 4 | Assessor Initials: | Date: |

**[Assessor: please add comments on the next page and complete the overall results for this unit standard.]**

**Assessor’s comments:**

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### Sign off check

The student has successfully completed all the worksheets and answered all the questions correctly.

**Checklist**:

❑ Worksheet 1 ❑ Worksheet 2 ❑ Worksheet 3 ❑ Worksheet 4

Where reassessment of certain questions has occurred, the correct answers were:

❑ Re-written by the student

❑ Confirmed through oral questioning and noted next to the answer

The student has correctly answered a selection of oral questions

❑ 1 ❑ 2 ❑ 3 ❑ 4 ❑ 5

❑ 6 ❑ 7 ❑ 8 ❑ 9 ❑ 10

**Other** (specify):

In signing off this unit standard, the student can:

correctly describe hand tools in terms of work operations each can complete;

correctly describe care and maintenance of hand tools (including cutting edges) in accordance with manufacturer’s recommendations; and

correctly describe the use of hand tools in terms of safety requirements. Includes: work methods; plant; equipment; identification of hazards and controls.

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| Assessor name:  Assessor signature:  Date: | **Please confirm result:**  A = Achieved,  N = Not Yet Achieved |