

Specific Competencies and Skills Tested in this Assessment:

Safety

- Apply shop and personal safety rules and procedures
- Demonstrate minor first aid treatment procedures
- Apply fire and electrical safety rules and procedures
- Identify MSDS related issues and information



Hand and Power Tools

- Identify proper use and function of portable power cutting tools
- Identify proper use and function of fastening tools
- Identify proper use and function of portable sanders
- Identify proper use and function of routers
- Identify proper use and function of hand tools



Stationary Saws

- Identify and use stationary saws
- Remove and replace stationary saw blades

Boring Machines

- Identify boring machines and their functions
- Inspect and clean boring machines

Design and Layout

- Interpret blueprints
- Prepare rough drawings
- Prepare detailed drawings
- Prepare a cut list or bill of material
- Identify and meet industry standards

Specific Competencies and Skills continued:**Estimating and Measuring**

- Estimate labor and material costs
- Calculate quantities
- Read scales and measurements

Milling

- Explain correct use of surfacers
- Explain use of molders
- Identify functions of wood lathes
- Identify use and function of sanders

Joinery

- Identify types of joints
- Prepare rough stock
- Assemble joints

Assembly

- Identify and demonstrate methods of case construction
- Identify and demonstrate methods of face frame construction
- Identify and assemble various styles of door construction
- Identify and assemble various types of drawer construction
- Apply laminates, veneers, and countertops
- Explain appropriate use and installation of cabinetry hardware and accessories

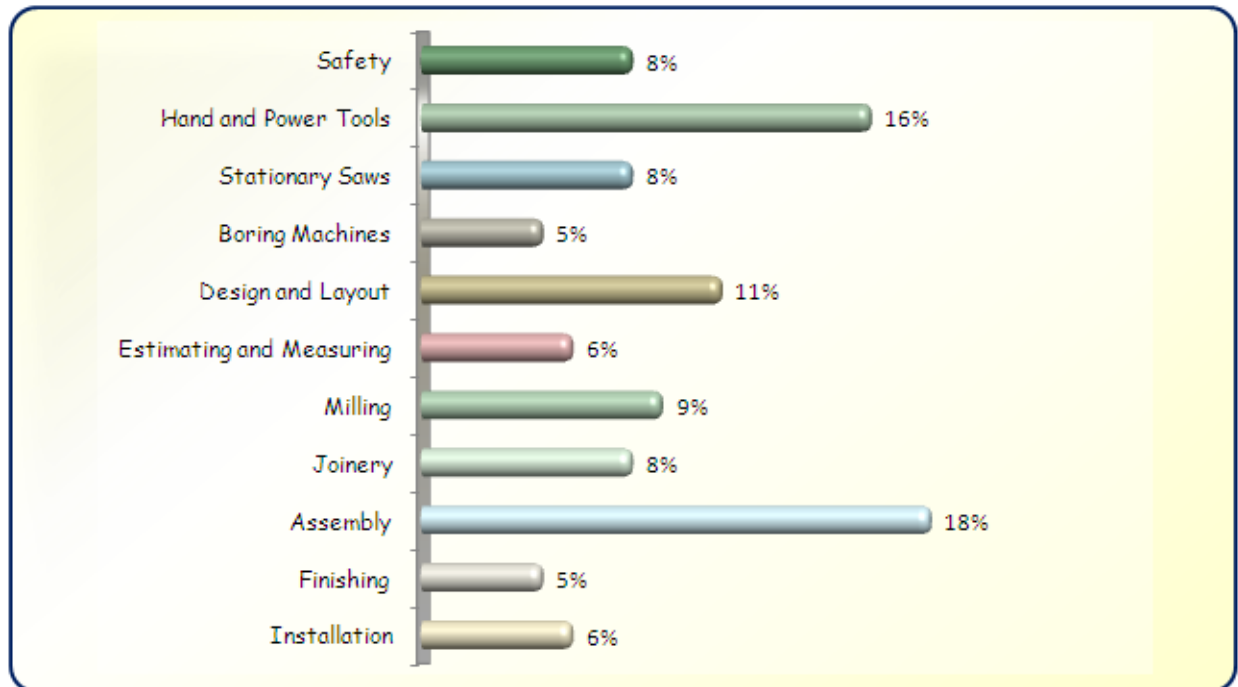
Finishing

- Identify and apply various finishing compounds
- Explain safe use and storage of chemicals

Installation

- Install a base or modular cabinet
- Install a wall or modular cabinet
- Identify industry standards for installation



Written Assessment:**Administration Time:** 3 hours**Number of Questions:** 153**Areas Covered:**

Sample Questions:

To prevent lumber from falling when stacked,

- A. make one large stack
- B. put heavy weights on top of the stack
- C. cross-stack, block, or tier the stack
- D. tie the stack down with rope

The size of a table saw is determined by the

- A. thickest stock it can cut
- B. widest cut it can make
- C. diameter of its blade
- D. widths of its table



The standard height of a kitchen base cabinet, including the counter top is

- A. 30 inches
- B. 32 inches
- C. 34 inches
- D. 36 inches

The vertical members of a face frame for a cabinet are called

- A. stiles
- B. cleats
- C. rails
- D. splashbacks

After fastening the second wall cabinet securely to the wall,

- A. replace the doors if they were removed
- B. set the next wall cabinet up to install
- C. clamp and fasten the cabinets together
- D. set the base cabinets in to install

Performance Assessment:

Administration Time: 3 hours and 30 minutes

Number of Jobs: 2

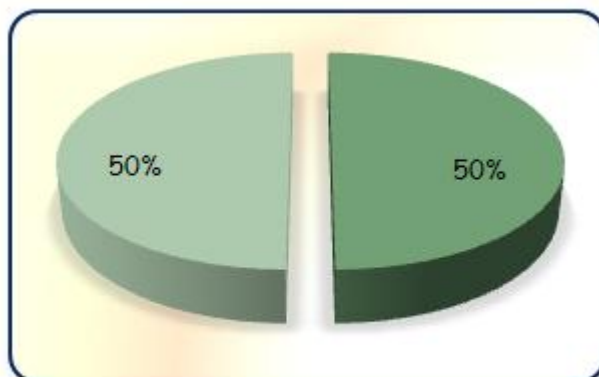
Areas Covered:

50% **Layout, Cut, and Assemble Front Frame**

Planning, selection and use of tools and equipment, hand operations, cutting and shaping, and timeliness of job.

50% **Layout and Assemble One Drawer**

Planning, selection and use of tools and equipment, hand operations, cutting and shaping, and timeliness of job.



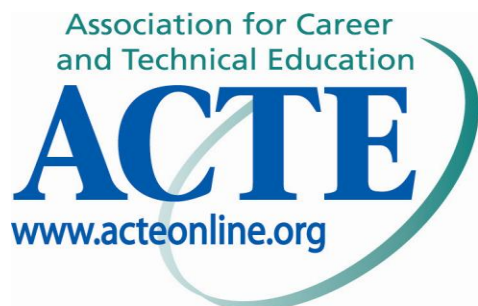
Sample Job: Layout, Cut, and Assemble Front Frame

Maximum Time: 1 hour and 30 minutes

Participant Activity: The participant will be given a drawing. They will layout, cut, and assemble the front frame for the counter kitchen cabinet. Joints are blind mortise and tenon.



The Association for Career and Technical Education (ACTE), the leading professional



organization for career and technical educators, commends all students who participate in career and technical education programs and choose to validate their educational attainment through rigorous technical assessments. In taking this assessment you demonstrate to your school, your parents and guardians, your future employers and yourself that you understand the concepts and knowledge needed to succeed in the workplace. Good Luck!