

Specific Competencies and Skills Tested in this Assessment:

Foundations of Safety

- Demonstrate understanding of the role that safety plays in the construction industry
- Demonstrate understanding of the idea of a safety culture and its importance in the construction industry
- Demonstrate understanding of the meaning of jobsite safety

Jobsite Safety and Safety Regulations

- Demonstrate understanding of the role of OSHA in jobsite safety
- Demonstrate knowledge of on-the-jobsite safety, including basic first aid, fire prevention, and proper lifting
- Demonstrate understanding of appropriate safety precautions to take around common jobsite hazards
- Demonstrate understanding of safe behavior on and around ladders and scaffolds
- Define safe work procedures to use around electrical hazards

Personal Protective Equipment

- Demonstrate the use and care of appropriate personal protective equipment (PPE)
- Exhibit knowledge of how to properly don and remove personal protective equipment (safety goggles, hard hat, personal fall protection, etc.)

Hazard Analysis

- Identify causes of accidents and the impact of accident costs
- Define hazard recognition and risk assessment techniques
- Identify struck-by hazards and demonstrate safe working procedures and requirements
- Identify caught-in-between hazards and demonstrate safe working procedures and requirements
- Identify other construction hazards on the jobsite, including hazardous material exposure, environmental elements, welding and cutting hazards, confined spaces, and fires
- Identify construction site hazards dealing with work around cranes, loaders, excavation equipment, all-terrain forklifts, etc.

Specific Competencies and Skills (continued):

Hand Tools

- Demonstrate understanding of how to visually inspect hand tools to determine if they are safe to use, and use tools safely
- Exhibit understanding of the basic procedures for taking care of hand tools
- Demonstrate understanding of the use of hammers (e.g., claw, ball-peen, sledge)
- Demonstrate understanding of the use of ripping bars and nail pullers
- Demonstrate understanding of the use of chisels and punches
- Demonstrate understanding of the use of screwdrivers (e.g., Phillips, spade, slotted)
- Demonstrate understanding of the use of wire cutters and pliers (e.g., crimping/lineman's, locking nose, tongue in groove)
- Demonstrate understanding of the use of wrenches (e.g., combination, crescent)
- Demonstrate understanding of the use of sockets and ratchets
- Demonstrate understanding of the use of levels (e.g., laser, torpedo, 2-foot, 4-foot and 6-foot) and squares (e.g., rafter, combination, T)
- Demonstrate understanding of the use of plumb bob and chalk lines
- Demonstrate understanding of the use of utility knives, jab saw, coping saw (dull v. sharp)

Power Tools

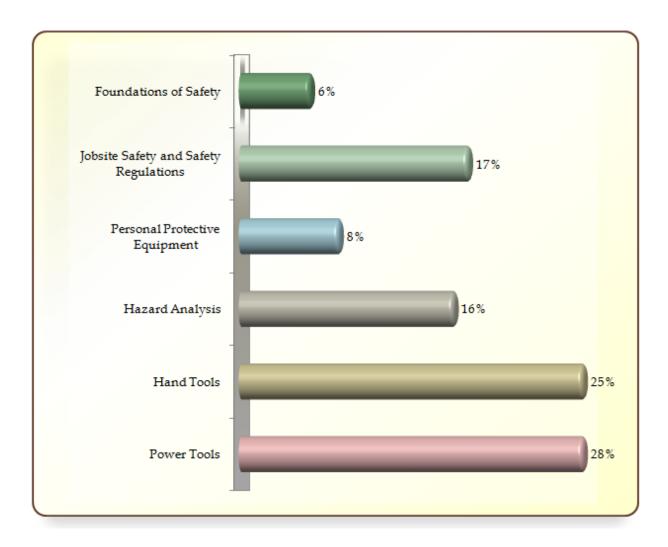
- Identify the general safety rules for operating all power tools, regardless of type
- Identify the general safety rules for properly maintaining all power tools, regardless of type
- Identify, exhibit understanding of, and use stationary power tools in a safe and appropriate manner
- Demonstrate understanding of the use of drills (e.g., power, cordless, hammer and impact wrenches)
- Demonstrate understanding of the use of saws (e.g., table, miter, compound, slide, chop, circular, saber/jig)
- Demonstrate understanding of the use of grinders (e.g., angle) and sanders (belt, palm, and orbital)
- Demonstrate understanding of the use of pneumatically-powered nail guns



Written Assessment:

Administration Time:3 hoursNumber of Questions:169

Areas Covered:



Sample Questions:

Which of the following agencies is responsible for national workplace safety regulations?

- A. ANSI
- B. OSHA
- C. NIOSH
- D. HAZCOM

Wearing steel-toed boots helps to prevent injuries caused by

- A. impact from falling tools and materials
- B. electrical shock from exposed wire
- C. chemical spills on the jobsite
- D slippery surfaces due to inclement weather

Most accidents are caused by

- A. human error
- B. faulty equipment
- C. an unsafe environment
- D. poor laws

Hand tools are capable of causing injuries, including

- A. electrocutions, abrasions, lacerations, and contusions
- B. punctures, ulcers, lacerations, and contusions
- C. punctures, abrasions, chemical burns, and contusions
- D. punctures, abrasions, lacerations, and contusions

What tool would a worker use to make sure that the wall is aligned top and bottom?

- A. chalk line
- B. builder's level
- C. plumb bob
- D. torpedo level

One of the most common safety grounding systems in extension cords used to protect the worker from shock is the _____ system.

- A. two-wire
- B. three-wire
- C. four-wire
- D. five-wire

Fundamentals of Construction (continued):

The splitter on a table saw

- A. adds strength to the saw
- B. prevents binding of stock
- C. should be removed
- D. makes a guide unnecessary

The operator of heavy equipment on a jobsite must be

- A. certified
- B. experienced
- C. qualified
- D. educated

Four tools used to repair drywall are

- A. screw gun, combination square, cross-cut saw, and coping saw
- B. screw gun, hand saw, utility knife, and spackle knife
- C. screw gun, tape measure, combination square, and utility knife
- D. screw gun, utility knife, keyhole saw, and spackle knife

What is a safe and practical working air pressure for nail guns?

- A. 0-30 psi
- B. 50-70 psi
- C. 80-110 psi
- D. 150-200 psi

Performance Assessment:

Administration Time:1 hour and 35 minutesNumber of Jobs:4

Areas Covered:

19% Circular Saw

Participant will select and set up proper equipment to make an accurate rip, and clean area when finished.

37% Drill Holes

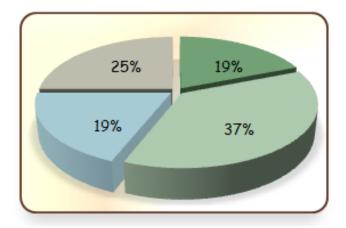
Participant will select and set up proper equipment to drill holes in several types of material, and clean area when finished.

19% Pneumatic Fasteners

Participant will select and set up proper tools and fasteners for framing, sheathing, and roofing.

25% Jobsite Hazards

Participant will identify hazards that are present on a simulated jobsite, and correct the hazards when possible.



Sample Job:	Circular Saw
Maximum Time:	20 minutes
Participant Activity:	Adhere to safety procedures throughout the job, put on appropriate PPE, replace blade in circular saw, mark dimensions, and rip the board. Clean up work area.