

Klamath County Fire District 4

Entry Level Firefighter Unit 11- Hand Tools

Section/Activity	Pages
Forcible Entry Tools	397-407

- _____ 1. The pick-head axe is used for: (398)
- A. cutting rebar.
 - B. cutting concrete.
 - C. cutting, prying, and digging.
 - D. forcible entry, usually in conjunction with a Halligan bar.
- _____ 5. Circular, rotary, and ventilation saws are all types of ___ saws. (401)
- A. hand
 - B. chain
 - C. power
 - D. reciprocating
- _____ 6. The fire service version of the ___ saw is usually gasoline-powered and has changeable blades. (401)
- A. hand
 - B. rotary
 - C. circular
 - D. reciprocating
- _____ 7. Which of the following types of saws has a short, straight blade that moves in and out with an action similar to that of a handsaw? (402)
- A. Chainsaw
 - B. Rotary saw
 - C. Circular saw
 - D. Reciprocating saw
- _____ 8. Pry bars and other manually operated prying tools use the principle of ___ to provide mechanical advantage. (402)
- A. gravity
 - B. electricity
 - C. the force of nature
 - D. the lever and fulcrum

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- _____ 9. When using a pike pole to break a window, the firefighter should stay ____ of the window and be positioned ____ than the window. (406)
- A. upwind; lower
 - B. upwind; higher
 - C. downwind; lower
 - D. downwind; higher
- _____ 10. Which of the following is an example of a common striking tool? (406-407)
- A. Flat-head axe
 - B. Clemens hook
 - C. Multipurpose hook
 - D. Standard pike pole
- _____ 11. Which of the following statements about striking tools is LEAST accurate? (407)
- A. Striking tools can crush fingers, toes, and other body parts.
 - B. Striking tools should not be used in conjunction with other tools.
 - C. Either safety glasses or the helmet faceshield must be worn when using striking tools.
 - D. Improperly maintained striking surfaces may cause chips or splinters of metal to fly into the air.
- _____ 12. To ensure safety when using a rotary saw, start all cuts at ____ rpm. (408)
- A. full
 - B. half
 - C. minimal
 - D. three-fourths
- _____ 13. Which of the following statements about using a power saw is MOST accurate? (408)
- A. Store blades in a humid environment.
 - B. Too-sharp blades are more likely to cause an accident than dull ones.
 - C. Saws can be used for many purposes beyond that for which they were designed.
 - D. Power saws should not be used when working in a flammable atmosphere or near flammable liquids.

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- _____ 14. If an axe is not in a scabbard, it should be carried with the blade: (409)
- A. toward the body.
 - B. away from the body.
 - C. covered by a piece of canvas.
 - D. removed and carried separately.
- _____ 15. Running power tools should never be carried more than: (411)
- A. 5 feet (1.5 m).
 - B. 10 feet (3 m).
 - C. 15 feet (4.5 m).
 - D. 20 feet (6 m).
- _____ 16. Which of the following is NOT a recommended care and maintenance practice for tools with fiberglass handles? (411)
- A. Check for damage or cracks.
 - B. Check the tightness of the tool head.
 - C. Sand the handle if necessary to eliminate splinters.
 - D. Wash the handle with mild detergent and rinse, wipe dry.
- _____ 17. What kind of lubricant works best for oiling unprotected metal surfaces? (412)
- A. Light machine oil
 - B. Heavy machine oil
 - C. Any vegetable-based oil
 - D. Any metal protectant containing mineral spirits
- _____ 18. Which statement about care and maintenance of axe heads is MOST accurate? (412)
- A. Axe heads should be painted according to intended use.
 - B. Painting axe heads may cause the cutting surface to stick and bind.
 - C. The thicker the blade, the easier it is to drive the axe head through ordinary objects.
 - D. The blade should be kept as sharp as possible, regardless of the possibility of breaking when cutting gravel roofs.
- _____ 19. What kind of protectant works best for oiling unprotected wooden surfaces such as an axe handle? (412)
- A. Light machine oil
 - B. Varnish
 - C. Any vegetable-based oil
 - D. Boiled Linseed Oil