

Name:

Date:

Class:

Lesson 7.3: Agricultural Hand Tools

Know and Understand

Answer the following questions using the information provided in this lesson.

1. Which of the following is not a good safety rule to follow when using a hand tool? (7.3.1)
 - A. Only wear safety glasses when using power tools.
 - B. Avoid using dull cutting tools.
 - C. Use tools according to the manufacturer's directions.
 - D. Use tools only for their intended purpose.

Answer:

2. A _____ square is used to lay out rafters. (7.3.2)
 - A. try square
 - B. triangular square
 - C. framing square
 - D. long square

Answer:

3. An L-shaped tool used as a guide for marking 90° angles and checking the edges and ends of boards for squareness is a _____. (7.3.2)
 - A. try square
 - B. punch square
 - C. plane square
 - D. socket square

Answer:

4. Which of the following is a triangular-shaped measuring tool that is used for drawing 90° or 45° angles and for laying out rafters and stairs? (7.3.2)

- A. Speed square
- B. Speed plane
- C. Aviation square
- D. Punch square

Answer:

5. *True or False?* Using prying tools to remove fasteners will save unnecessary wear and tear on your hammers. (7.3.2)

Answer:

6. Why should you not use a screwdriver if the tip is rounded or chipped? (7.3.2)
- A. These screwdrivers are more expensive to use.
 - B. These screwdrivers require more power to operate.
 - C. These screwdrivers do not remove screws easily. It is likely to slip and cause injury or material damage.

Answer:

7. If you must use an SAE-sized wrench with a metric-sized fastener, what tool can you use to determine the correct size SAE wrench? (7.3.2)
- A. A picture of the tool.
 - B. A conversion chart.
 - C. A metric zigzag rule.
 - D. A tape rule.

Answer:

8. Which wrench has closed jaws at each end? (7.3.2)
- A. Open-end wrench
 - B. Box-end wrench
 - C. Torque wrench
 - D. Ratchet wrench

Answer:

9. Which type of wrench works best on nuts and bolts? (7.3.2)

- A. Pipe wrench
- B. Strap wrench
- C. Allen wrench
- D. Socket wrench

Answer:

10. *True or False?* A strap wrench is a self-tightening wrench with a strap or chain that pulls tight around cylindrical objects. (7.3.2)

Answer:

11. Which of the following is an adjustable hand tool with a slot in one jaw through which the other jaw slides? (7.3.2)

- A. Needle-nose pliers
- B. Slip-joint pliers
- C. Lineman's pliers
- D. Aviation snips

Answer:

12. *True or False?* Pliers with a set of jaws for cutting wire instead of jaws that grip and hold material are called top-cutting pliers. (7.3.2)

Answer:

13. *True or False?* Aviation snips are used exclusively for cutting metals to be used on an airplane. (7.3.2)

Answer:

14. Hardened steel tools designed to be struck by a hammer or wooden mallet to drive pins out of fasteners are _____. (7.3.2)

- A. rivets
- B. chisels
- C. punches

D. planes

Answer:

15. Which of the following fasteners are inserted through predrilled holes? (7.3.3)

A. Rivets

B. Nails

C. Bolts

D. Screws

Answer:

16. A woodworking tool used for trimming, squaring, and smoothing the edges of lumber is a _____. (7.3.4)

A. edging file

B. plane

C. rasp

D. square file

Answer:

17. *True or False?* Starting cuts slowly will prevent a handsaw blade from jumping. (7.3.4)

Answer:

18. Explain why you should always use PPE when working with hand tools. (7.3.1)

Answer:

19. List three common types of handsaws and their intended purpose. (7.3.4)

Answer:

20. Briefly explain how to use a hammer. (7.3.2)

Answer:

