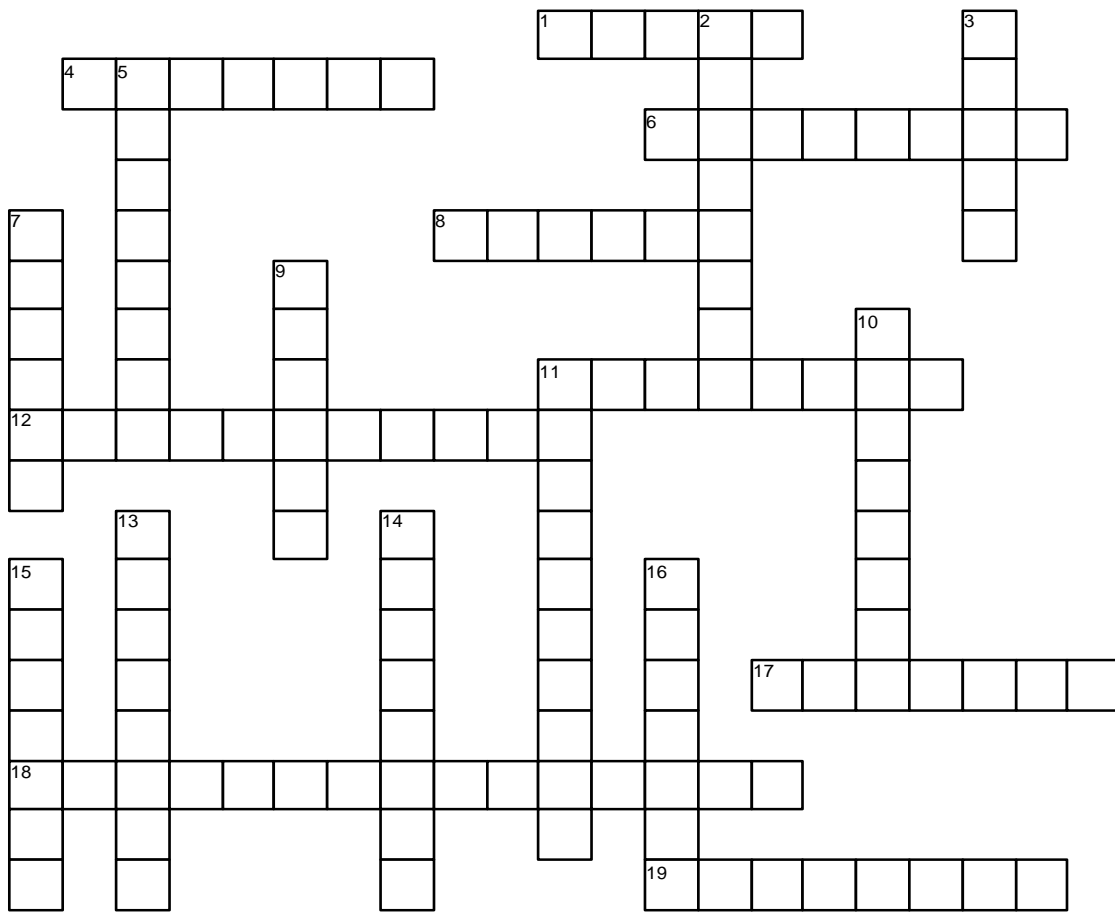


Tools and Shop Equipment

Chapter 9



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ACROSS

- 1 A _____ is used to drive a pin out that is used to retain two components.
- 4 To press off a bearing, a unit called a _____ splitter is often required to apply force to the inner race of a bearing.
- 6 A _____ crane is used to remove and install engines and other heavy vehicle components.
- 8 _____ wrenches are socket turning handles that are designed to apply a known amount of force to the fastener.
- 11 An _____ is a drill that rotates faster than electric drills.
- 12 An _____ is designed to safely hold an engine and allow it to be rotated.
- 17 The socket is rotated using either a long bar or a _____.
- 18 The common household type of pliers is called the _____ pliers.
- 19 A shot-filled plastic hammer is called a _____ hammer.

DOWN

- 2 Another name for a box-end wrench is a _____-_____ wrench.
- 3 _____ are used to smooth metal and are constructed of hardened steel with diagonal rows of teeth.
- 5 Light-_____ diode trouble lights are excellent to use because they are shock resistant.
- 7 A _____ fits over the fastener and grips the points and/or flats of the bolt or nut.
- 9 A _____ wrench is placed over the top of the fastener and grips the points of the fastener.
- 10 Another name for a line wrench is a _____-_____ wrench.
- 11 An _____ wrench is often used where the exact size wrench is not available or when a large nut, such as a wheel spindle nut, needs to be rotated but not tightened.
- 13 _____ pliers are used to remove and install snap rings.
- 14 _____ pliers are designed for cutting only.
- 15 A _____ is used to cut metals, such as steel, aluminum, brass, or copper.
- 16 An _____ wrench is often used to loosen or tighten bolts or nuts that do not require a lot of torque.