



Part of the Month  
**August**

**All CAD Formats:**

Solidworks (sldprt, sldasm), AutoCAD (dwg, dxf), Inventor, Pro/E, CATIA 4/5, Unigraphics, Parasolid, ACIS SAT, iges, step, ckd, prt, stl

**Complete Assembly, Sheet Metal, Machined and Welded Components.**

- > ISO 9001 certified quality management system
- > Certified Welding to MIL-STD-1595a for process DTAW Group 1b, 1ia
- > 100% in-process inspection
- > Certified inspection reports

**Problem:**

The central circle is 1" in diameter. The outer purple circle is 1/2" in diameter. How many purple circles can fit around the outside of the central circle assuming that each purple circle tangentially touches the central circle and at least one other purple circle

- a. 4
- b. 9
- c. 7
- d. 5



**Quiz:**

Is one of these rules NOT listed in the National Hot Dog and Sausage Council's rules of Hot Dog Etiquette?

- a. Don't put the hot dog toppings between the hot dog and the bun. Always "dress the dog," not the bun.
- b. Don't use a cloth napkin to wipe your mouth when eating a hot dog. Paper is always preferable.
- c. Do eat a hot dog on a bun with your hands. Utensils should not touch hot dogs on buns.
- d. Don't take more than five bites to finish a hot dog. For foot-long wieners, seven bites are acceptable.
- e. All of these are rules.

\*Please be sure to check our website for answers to all previous months Problems and Quizzes! Go to [www.metalwork.com](http://www.metalwork.com) and click on Problem of the Month link.

**Compucraft Moonshine?**



Don't worry, we haven't been watching too many episodes of "Moonshiners" on The Discovery Channel. This month we are featuring a rolled copper tube and a rolled aluminum tube as our Parts of the Month. While these would be a great addition to grandpa's secret still in the abandoned coal mine, we're pretty sure our customer has a different application for these heating and cooling tubes. Both tubes start out being spiraled on our Roundo R2 roller, with subsequent bends on our Diacro tube bender. The parts are then trimmed to length, and cleaned up in our grinding room, before being inspected and shipped to our satisfied customer.

**Quote:**

"In science, self-satisfaction is death."  
 **Jacques Monod** 

