

February Part of the Month

We Love It When a Plan Comes Together!

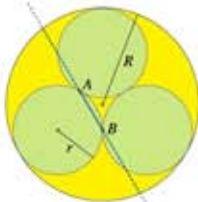
I pity the fool who doesn't appreciate this part. February's Part of the Month requires precise fixturing to achieve accurate results. Any welder will tell you that careful planning is required to prevent distortion when welding stainless steel. At Compucraft our manufacturing engineers will work closely with our welders during pre-production to ensure a successful build. If you have a problem, if no-one else can help, then call Compucraft and let our A-Team of experienced employees make your parts right the first time.



Problem:

Once upon a time, Mars, the God of war, intended to test the IQ of the goddess Minerva. So, showing his shield, he told her: "Darling, on my shield, there are 3 equal circles which represent the qualities of the warrior: strength, flexibility, and decisiveness. As you can see, one of the circles has been scratched by a sword, and the resulting score is three inches long (line AB in the illustration). Can you then tell me what is the area of my shield?"

Find the very shortest way to solve this puzzle and use only basic geometry, trigonometry is not allowed!



Quiz:

How can you take 9 toothpicks and make ten without breaking the toothpicks?

* Please be sure to check our website for answers to all previous months Problems and Quizzes! Go to www.metalwork.com and click on Problem of the Month link.

Quote:

"He who is not courageous enough to take risks will accomplish nothing in life."

~ Muhammad Ali ~

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