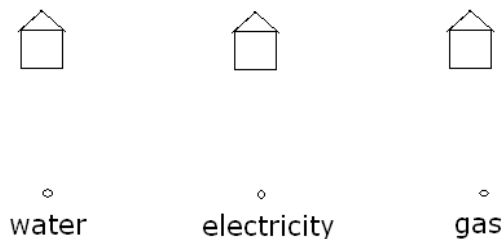


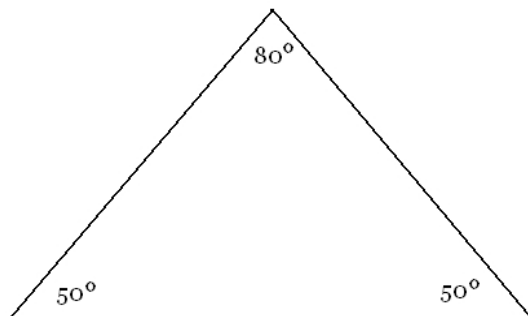
Fun Math Problems - Part 2

*These problems are mostly from my high school math teacher, **Prof. Lajos Posa** who is a well known mathematician/math teacher in Budapest. It is difficult to find words that describe his talent and dedication. So I just let the problems speak for themselves.*

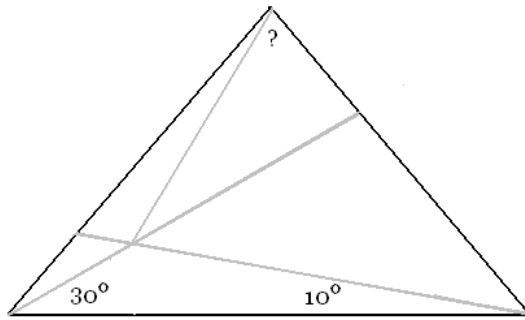
1. Two mathematicians, A and B are having a conversation. B has three children. A asks him how old the children are. B tells A that the product of his children's age is 72. A says "I still don't know how old they are." B tells A the sum of the kids' ages. A says "I still don't know how old they are." Then B tells A that the youngest child has red hair. Now A knows the age of the kids. Do you?
2. (This is a well known topology problem, and I heard it from my high school student, Eric.) Connect three buildings with the three utilities shown on the picture below. Each building has to be connected to all three utilities, in two dimension, and no two utilities pipe can cross each other.



3. There is a very difficult track in a mountain area, where the world record of driving a lap is 15 miles per hour average velocity. A race car driver announces that he intends to beat this record and run the course with an average velocity of 30 miles per hour. As he is driving, his progress is monitored. At the half of the track, his average velocity was 15 miles per hour. In spite of this, he arrives at the finish just a few seconds too late to have an average velocity of 30 miles per hour. His funeral was three days later. How did he die?
4. This problem was told me by my student, Ramon Gozales. The triangle below has angles 50° , 80° , and 80° as shown on the picture below.



We measure up 10° and 30° from the base as shown on the picture below. Find the measure of angle shown on the picture.



[Click here](#) to get back to the previous page.