**Energy Unit Conversion Puzzle (solution)**

People in the energy industry frequently have to convert from one energy unit

to another. For example, there are 0.000947 BTUs (British Thermal Units) in one

Joule. Use the following logic puzzle to determine how many BTUs there are in

one kWh.

This four-digit number is composed of two pairs of sequential numbers. If you

transpose the two pairs, all four digits will be sequential. The last two numbers

equals the product of the first two numbers and the sum of all digits equals the

base of the metric system.

**3412**