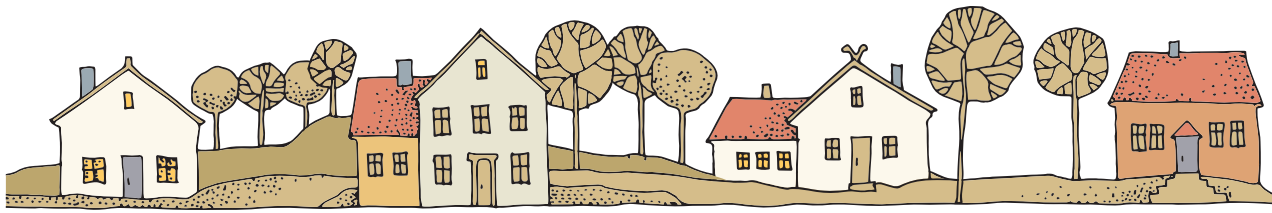


# A PUZZLING CONCLUSION

BY KEN WEBER



## On Harmony Lane

There are only four houses on the north side of Harmony Lane. Morgan, who owns the second one from the east, drew this picture of the houses before each homeowner put up a different kind of backyard fence.

All the neighbours agreed with Terry that the type of fence should be a personal choice, so Erin didn't say anything when a chain link fence went up next door.

Dr. Parma, whose house is the second one east of Jamie's, decided against building a picket fence.

At a house next door to Morgan, the owner built a board fence.

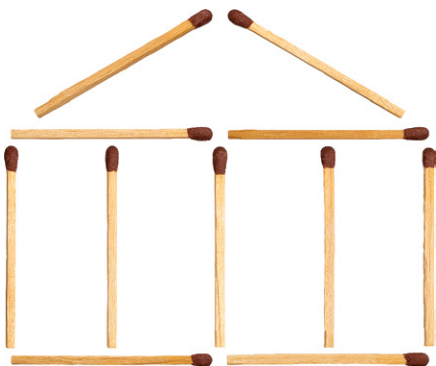
Professor Kehoe, who does not live beside Erin, quite liked the lattice fence built by a next door neighbour to the west.

Jamie does not live at the west end of Harmony Lane and did not build a lattice fence.

If you know that Morgan's surname is not Gantry (it's Lawrence), you can use the information above to determine each owner's first and last name, what type of fence each built, and which home from west to east each owns.

## Making Do With Matches

A common item in the slim supplies budget for rural one-room schools of years ago was a box of wooden matches. (The teacher was usually responsible for setting and maintaining a fire in the wood stove.) Because books were also in short supply, creative teachers would often use these matches to illustrate things like the design of a classic Greek temple...



...and then use the same design to present simple geometry challenges like these two.

**First move just two matches and make 11 squares. Then, from that design, move just four matches and make 15 squares.**

## Barney to the Rescue

When Barney pulled the mini-bus into the parking lot at the Orangeville Fairgrounds he realized he'd brought only two of the umbrellas supplied by the hotel and there were eight tourists on the bus. Nevertheless he got all of them into the building without anyone getting wet. **How?**

## Farm Fauna

Here is a set of definitions followed by spaces for a word being defined. The challenge is to enter the words suggested by the definitions, but to make it interesting, your choices must include an animal that would typically have been seen on a pioneer farm. For example, following the definition "scary dream" the word "nightMARE" would be appropriate, and "sPIGot" would answer the definition "barrel tap." (The blank spaces indicate the number of letters in an appropriate answer.)

**i** a culinary hot spot:

\_\_\_\_\_

**ii** a system of beliefs held to be true:

\_\_\_\_\_

**iii** sudden and intense:

\_\_\_\_\_

**iv** cheerfully excited:

\_\_\_\_\_

**v** having poisonous qualities:

\_\_\_\_\_

**vi** to disperse:

\_\_\_\_\_

**vii** shrink from:

\_\_\_\_\_

**viii** bold and showy:

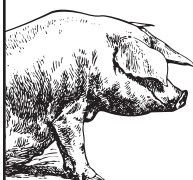
\_\_\_\_\_

**ix** simmered:

\_\_\_\_\_

**x** lucky charm:

\_\_\_\_\_



## Road Signs

Even though you would never see a road sign like this here in the hills, the number on each of the four signs and the vowels in the community names have a special relationship.

**Use that relationship to determine what number should replace the question mark on the sign pointing to Rosemont.**

## Painting the Warehouses

Seldah was paid \$200 to paint three walls of a square, flat-roofed warehouse in Grand Valley. The walls had no windows or doors. The fourth wall, which she did not paint, was taken up with windows and overhead doors. She spent one and a half days painting the walls, after which the owner approached her, offering another painting job.

"I have a similar warehouse in Shelburne that needs painting," he said. "Same idea, three walls to cover like this one. The difference is they're twice as long and twice as high. So it will probably take you twice as long, and therefore you should be paid twice as much too. Do you agree that \$400 is fair?"

**Based on the payment and time needed for the first warehouse, is \$400 fair?**