Gray squirrels could benefit from my new GPS nut locator. While other types of squirrels, like red squirrels, remember where they bury their nut piles, gray squirrels often forget.

Their forgetfulness is great for trees! Those forgotten nuts take root and grow into more nut-producing trees. Good for the forest, and good for the squirrels.

Where did I put my nut?

I'll help you find it!
Check out this map I drew to help my squirrels remember where they buried pecans in my backyard.

Write the coordinates for each hiding place.

For example, coordinates for the first hiding place are 2, 6.

Now, what are the coordinates for hiding place 2? ______

For hiding place 3? ______

Hiding place 4? ______

Hiding place 5? ______
Let’s take some measurements.

**What proportion of the total hiding places are in the front half of the yard?)**

_________________

**What proportion of the total hiding places are in the back half of the yard?**

_________________

*How do you catch a squirrel?*

*That’s easy. Just climb a tree and act like a nut!*
Suppose we dig up all the pecans to make a pie. We need 1 ½ cups of pecans to make the pie, but we only have a tablespoon to measure them. There are 16 tablespoons in one cup. How many tablespoons of pecans do we need for our pie? _________________

Okay, we found out we don’t have enough pecans for a whole pie, but my neighbor, Nutty Bob, says he’ll buy them from us. He loves to eat pecans. He pays us with a whole bunch of nickels. He gives us $4.75 for our pecans. How many nickels did he give us? _________________

I feel pretty bad about digging up all those nuts. Even if she can’t remember where she buried them, she might remember a couple of places. Let’s replace the pecans with acorns in a few key places. But first, let’s figure out how far apart they are. Each line on the graph is 1/3 of a meter from the next line. How far to the left is hiding spot 5 from hiding spot 4? _________________

How far up is hiding spot 3 from hiding spot 2? _________________

There are 50 centimeters in ½ meter. How many centimeters are in a meter? _________________

What fraction of a meter is two centimeters? _________________