

NAME(s): _____

ID(s): _____

How Many Spiders

What is the largest number of spiders which can amicably share the spider web pictured below? A spider will tolerate a neighbor only at a distance of 1.1m or more traveling **along the web**. This means the spiders do not worry about the direct distance between them only the distance traveling on the web itself is of concern. For example a spider at the top of one of the vertical lines will tolerate a spider at the top of the other vertical line since the distance along the web is 2m (the direct distance of 1m does not matter).

