

Soda Cans

NAME _____

At the Soda Warehouse, it is possible to buy single cans of soda. Cans are arranged on a refrigerated shelf. What is the best possible arrangement of cans to make the most efficient use of space? That is, how should the Soda Warehouse arrange the cans on a shelf to fit the maximum number?

To model this situation, grab a collection of circular items that are the same size. (Pennies work well.) The rectangle shown below represents one shelf at the Soda Warehouse. Arrange the pennies. How many cans will fit on the shelf?

