

Banana Cake

A supermarket has its shelves laid out in a plan that uses a battleships style grid reference based on letters A to N across and 1 to 20 down.

It has stock in the following places:

Dairy A1-E1,
Frozen food A2-A14,
Dinner Ingredients I3-I17 and K3-K17,
Deli F1-H1,
Meat I1-N1,
Fruit and Vegetables L3-L12 and N2-N12,
Specials L13-L17 and N13-N17,
Snacks and Junk F3-F17 and H3-H17,
Magazines A15-A17, Hardware,
Cleaning and Pet food C10-C17 and E10-E17.



The entrance space makes a rectangle with L18 and N20 being opposite corners.

The check-out area makes a rectangle with A18 and K20 being opposite corners.

There is also shelf space for baking products.

- a. Suggest coordinates for where the baking products (including eggs) will be located.
 - b. If you wanted to walk the shortest distance in the supermarket to get the following ingredients needed for a banana cake, what order would you purchase these ingredients in? Butter, flour, milk, eggs, bananas and M&Ms.
1. Use the information given to make a plan of the supermarket.
 2. Consider a suitable space for the baking aisle/shelves to be located.
 3. Imagine walking through the supermarket gathering the items on the list. Which order would you gather the items in, so that you have the least distance to cover?