

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 grid references 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 gather these ingredients in? Butter, flour, milk, eggs, bananas and M&Ms.