

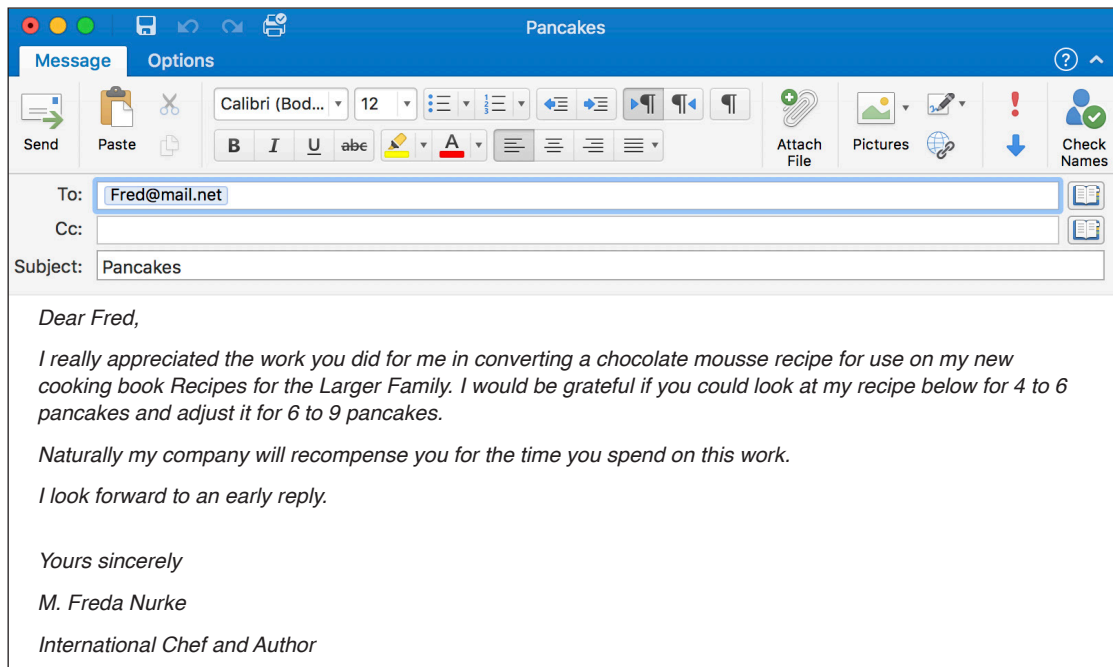
Example problem

Level: Upper primary

Junior modelling

Pancakes

Describe the real-world problem



Recipe for 4 to 6 pancakes

1 egg

1 cup self-raising flour

200 ml milk

Mix all ingredients thoroughly so that there are no lumps.

Heat pan until a drop of water dances on the pan.

Add oil to pan.

Add pancake mixture to pan.

Cook pancake on one side till brown, then turn over and cook the other side.

Remove pancake from pan and put on a plate covered by paper towel.

Put into warm oven and add subsequent pancakes to the plate.

Model the mathematical problem

The modelling activity here is generated by a letter from a satisfied customer, Freda Nurke.

The modelling goal is to produce a recipe for 6 to 9 pancakes from the original recipe for 4 to 6 pancakes. It might be good if the new menu could be tested against the old one for taste.

This example problem is presented without further comment, but can be solved in a similar way to the 'Adapting a recipe' example problem, discussed on the previous pages.

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