Fraction Multiplication Problems

For the questions below, create your own table to record your results in.

1. On Wednesday evening, a box of cereal had 7/13 left in it.
   a. On Thursday morning, Mrs Blake ate 2/9 of what was there and left 7/9. What fraction of the whole box of cereal did she eat?
   b. What fraction of the whole box of cereal did she leave?

2. On Friday she ate 1/2 of what was there and left 1/2.
   a. What fraction of the whole box of cereal did she eat?
   b. What fraction did she leave?

3. Compare how much cereal was in the box on Wednesday evening to how much was in the box on Friday evening.

4. Miss Pritchard is hungry. In the fridge she finds:
   2/5 of a quiche
   3/7 of a carton of juice
   4/9 of a chocolate bar
   2/3 of a cucumber
   a. If she takes 2/5 of each remaining amount, what fraction of the whole item will she have taken?
   b. If she eats half of each remaining amount, what fraction of each whole amount will be left?
   c. If she eats 5/7 of each remaining amount, how much will she have eaten?

5. Miss Whitbourn is going to make a cake but she only wants to use 3/7 of the ingredients. Work out how much of each ingredient she needs.

> ### Cake recipe
> 2/3 cup of flour
> 6/8 cup of sugar
> 5/10 cup of butter
> 3/9 teaspoon of salt

6. Create 3 of your own word problems for a partner based on the style of questions above.

7. Mrs Jones has a piece of string. She cuts it so that she has got 6/8 of it a gives the rest to her brother. She uses her part to tie up five plants in her garden. What fraction of the original length of string does she use on each plant?

8. The Wrighton family has 4 members and they have 5/7 of cake left. What fraction of the whole cake will each of them get if they share it equally?

9. Mr Wrighton says, "As I made the cake, I think I should get extra, so count me as two people." How much would they each get if they agreed to do this?

10. Six cats have found half a fish to share.

    a. How much of a whole fish will each of them get?
    b. Luckily one of them then finds 3/4 of another fish to share. What fraction of this whole fish will they get?

11. Mr Strachan has asked five children to stay in at lunch time to discuss their maths. He has half an hour with them. What fraction of an hour will each child have if he sees each child individually for the same length of time?

12. Vinny the cook has 3/8kg of sugar. She bakes 5 cakes.

    a. What fraction of a kg of sugar is in each cake?
    b. How many grams of sugar are in each cake?

13. She has made pastry. She uses 0.7kg of flour. She rolls 4/5 of it out into a long strip. She cuts this into eight pieces.
    a. What fraction of the flour is in each piece?
    b. What mass of flour is in each piece?