Problem of the Week
Problem B
Chip, Chip, Chooray!

At Biscuit Hill Elementary School, Chip and his sister, Charlene, have decided that they want to make cookies for all of the junior students in their school. The recipe that they found makes enough chocolate chip cookies of $7\,\text{cm}$ diameter for 16 people.

Recipe		Junior Classes	
1 cup	butter	Mrs. Martin	25 students
1 cup	brown sugar	Mrs. Laing	26 students
$\frac{1}{2}$ cup	white sugar	Ms. Richmond	23 students
2	eggs	Mrs. Kelter	24 students
2 tsp	vanilla	Mr. Hallett	22 students
$2\frac{1}{4}$ cups	flour		
1 tsp	baking soda		
$300\,\text{g}$	chocolate chips		

a) How many batches should Chip and Charlene make so that they make the exact number of cookies needed for all of the students in the junior classes?

b) They decide to make a whole number of batches so they have some extra cookies to save for later, and one each for the teachers. What quantity of each ingredient in the recipe will they need?

STRAND NUMBER SENSE AND NUMERATION