CEMC at Home features Problem of the Week
Grade 4/5/6 - Thursday, March 26, 2020
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 cm diameter for 16 people.

Recipe

1 cup	butter
1 cup	brown sugar
$\frac{1}{2}$ cup	white sugar
2	eggs
2 tsp	vanilla
$2\frac{1}{4}$ cups	flour
1 tsp	baking soda
300 g	chocolate chips

Junior Classes

Mrs. Martin	25 students
Mrs. Laing	26 students
Ms. Richmond	23 students
Mrs. Kelter	24 students
Mr. Hallett	22 students

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 that they have some extra cookies to save for later and one cookie for each teacher. What quantity of each ingredient in the recipe will they need?

CEMC at Home features Problem of the Week
Grade 7/8 - Thursday, March 26, 2020
Ch-ch-changes

Bill made some purchases that totalled $18.75 and paid for them with a twenty-dollar bill. The cash register has only quarters, dimes and nickels.

In how many different ways can the cashier make change?

"TOONIE"	"LOONIE"	QUARTER	NICKEL	DIME
2 dollar coin	1 dollar coin			
200 cents	100 cents	25 cents	5 cents	10 cents

Remember, in this problem, we will only be using quarters, nickels and dimes.

* Guess & Check will eventually produce a solution.   Also try a systematic and/or algebraic method.