Lesson 5.5C ~ Estimating with Compatible Numbers

Name_____ Period_____ Date_____

A cookie company made each batch of cookies with these ingredients:

	Flour	White Sugar	Brown Sugar	Butter
Chocolate Chip Cookies	$24\frac{1}{4}$ cups	$7\frac{1}{3}$ cups	$8\frac{1}{4}$ cups	$10\frac{5}{8}$ cups
Oatmeal Raisin Cookies	$23\frac{1}{8}$ cups	$11\frac{2}{3}$ cups	$4\frac{5}{8}$ cups	$8\frac{3}{8}$ cups
Molasses Cookies	$20\frac{1}{8}$ cups	$10\frac{1}{4}$ cups	$6\frac{7}{8}$ cups	7 cups

Use compatible numbers to estimate and solve each problem.

1. The cookie company had an order for $\frac{1}{6}$ batch of each type of cookie. Approximately how much flour do they need to complete this order for all three types of cookies?

2. The cookie company had an order for $\frac{1}{3}$ batch of both molasses and oatmeal raisin cookies. About how much butter do they need to complete this order?

3. The cookie company made 3 batches of chocolate chip cookies.

    a. About how much flour would they need?

    b. Estimate how much white sugar they would need.

4. The cookie company made 4 batches of oatmeal raisin cookies. In order to do so, they had to divide all the ingredients between 2 bowls. Approximately how much of each ingredient was in each bowl?

5. The cookie company made $6\frac{3}{4}$ batches of molasses cookies. About how much of each ingredient would they need?