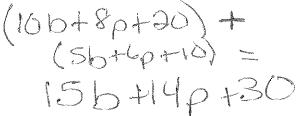
(CLT)	Class Notes
Simplifying by Combining Like Terms	Name
and Distribution	DatePeriod
Explore CWK	
Stores have boxes of candy (b),	Food 4 Less = 10b + 8p +20
	Smith's Food = 5b + 6p +10
packages of candy (p), candy candy	Grant's Grocery = 3b + 8
and single candy bars.	Food Mania = 12b +20p +25



Candy

and single candy bars.



2. What is the difference in inventory of Food Mania and Food 4 Less?

- The district manager requires that Food 4 Less and Food Mania submit a report containing an algebraic expression representing the combined inventories of the two
 - a. Write the expression that represents the sum of the inventories of the two stores.

b. Write an equivalent expression representing the total number of boxes, packages, and candy bars for two stores.

226+28px45

4. Write two equivalent expressions to represent the difference in the inventories of Food 4 Less and Smith's Food.

106+8p+20) - (56+6p+10) 5b +2p+10

5. What do you think it would mean to simplify an algebraic expression?

Perform all operations that you can; CLT, distribute place fractions in Lowest terms

Using the Distributive Property

7. A new food company, Diler Foods, has three locations, where each location has 3 boxes, 8 packages, and 12 single candy bars in their inventory.



a. Write an expression for the company's total inventory as a product. Use b to represent boxes and p to represent packages.



b. Now write an equivalent algebraic expression to represent the company's total inventory after simplifying.



write the equivalent expression Simplify each expression.

8.
$$3x + 5x$$

9.
$$4xy^2 - 2xy^2 + t^9$$
 $2xy^2 + t^9$

$$2xy^2+t^9$$

10.
$$(2x+4)+(3x-7)$$

11.
$$(2x+3y-18) - (-8x+12)$$

12.
$$2(3x-5)$$

13.
$$2(x-3)+6(x+4)$$

