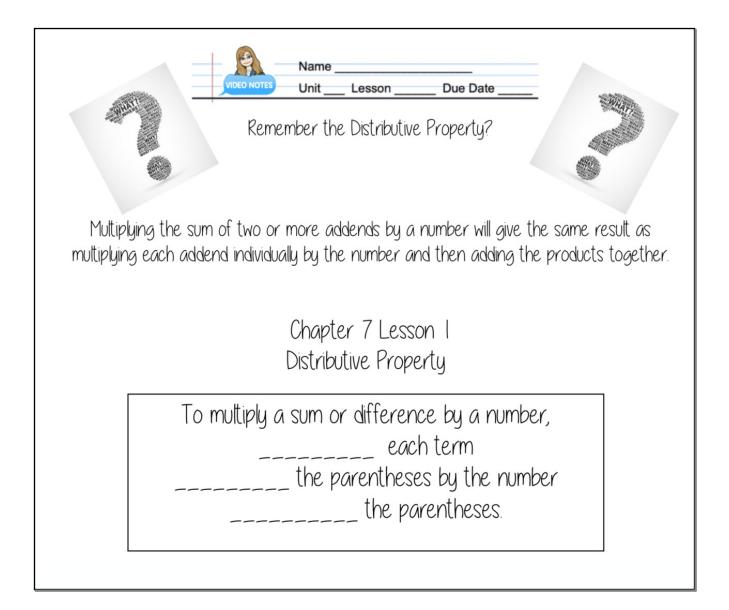


## TTTLE: Linear Expressions

Date	Lesson	Topic/Assignment
Feb 8	1	Distributive Property Video Notes
Feb 9	1	Distributive Property Video Notes HOMEWORK: pg295

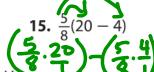


Examples					
a(b + c) =	a(b - c) =	(b + c)a =	(b - c)a =		



## pg295 #13-23 and 31-35

- 13. 12.3(9 + 4) (12.3×9)+(12.3×4)



- **16.** Martine bought two pairs of jeans that are on sale for \$32.85 each. Use mental math to find the total cost of the jeans. Justify your answer by using the Distributive Property. (Example 2)
- **17. Financial Literacy** Sarah charges \$6.50 per hour to babysit. She babysat for 3 hours on Friday and 5 hours on Saturday. Write two equivalent expressions for her total wages. Then find her total wages. (Example 2)

Use the Distributive Property to write each expression as an equivalent algebraic

**expression.** (Examples 3 and 4)

$$\frac{4}{5}(t-15)$$
 5 t - (5. 15)

**21.** 
$$(b + 4)12$$

**22.** 
$$5(x-9)$$

**23.** 
$$-\frac{1}{2}(n+4)$$

Use the Distributive Property to write each expression as an equivalent numeric expression. Then evaluate the expression.  $\left(Hint: 3\frac{1}{4} \text{ can be written as the sum } 3 + \frac{1}{4} \right)$ 

**32.** 
$$10 \cdot 5\frac{1}{2}$$

**33.** 
$$6 \cdot 4\frac{2}{3}$$

**34.** 
$$2\frac{2}{7} \cdot 14$$

Aiko uses  $2\frac{1}{3}$  yards of fabric to make costumes for a play. Use the Distributive Property to find how much fabric she will need if she makes 9 costumes.