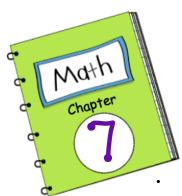


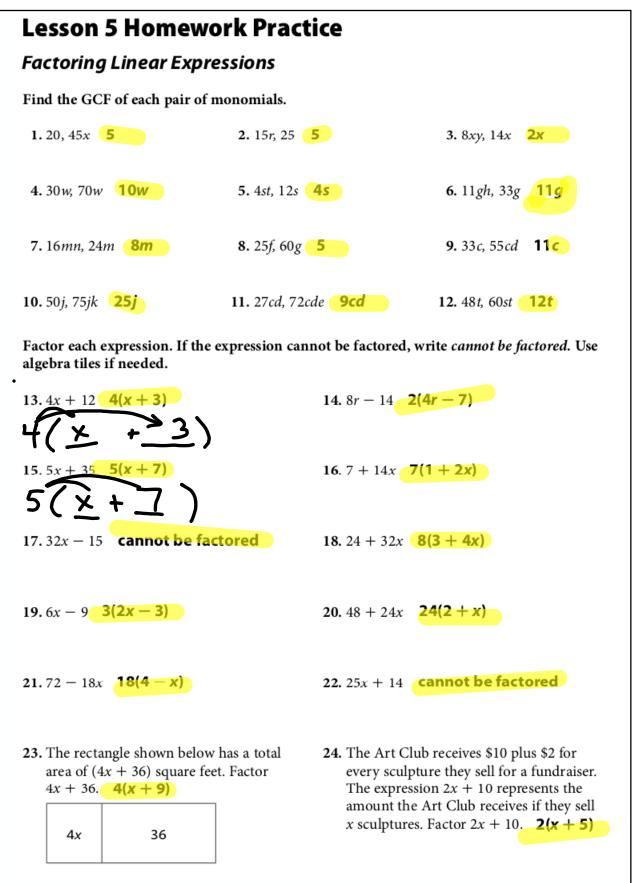
More Examples: Factor each expression.  
More Examples: Factor each expression.  
Wideo notes:  

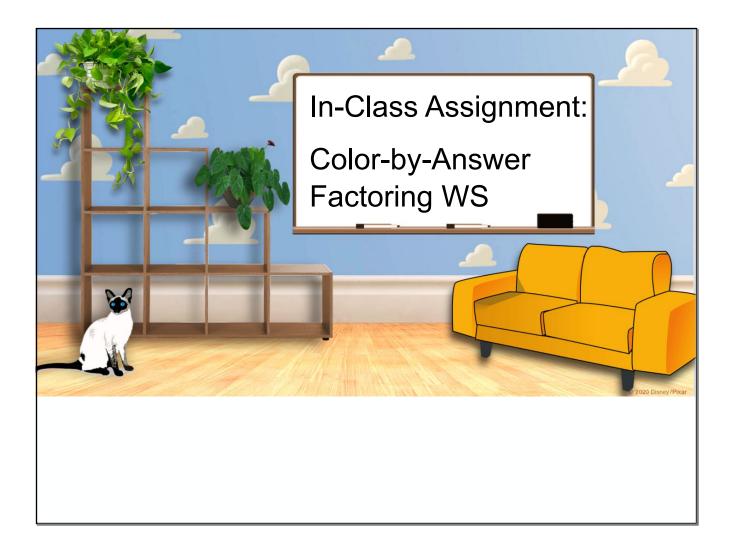
$$36x + 24 = 12 (3x + 2)$$
  
 $6 + 3x = 3 (2 + x)$   
 $4x + 9 =$  cannot be factored  
 $12 + 18x = (6 (2 + 3x))$   
 $24 + 32x = 8 (3 + 4x)$   
Word Problems:  
The area of a high school basketball court is (50x-300) square feet. Factor 50x-300 to find  
possible dimensions of the basketball court. So dimensions  
 $50(x - 6)$  could be 50 feet  
by  $(x - 6)$  feet.  
Jesse wants to put down \$100 toward a new computer and will pay it off in six months. If y is the  
monthly payment, what expression represents the total price?  
The Reyes family has saved \$480 as a down payment for a new TV. If x is the monthly payment  
for one year, what expression represents the gene cost of the television?  
Factor this expression.  
 $12 (40 + x)$ 

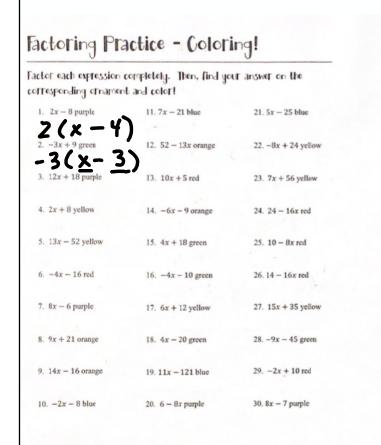


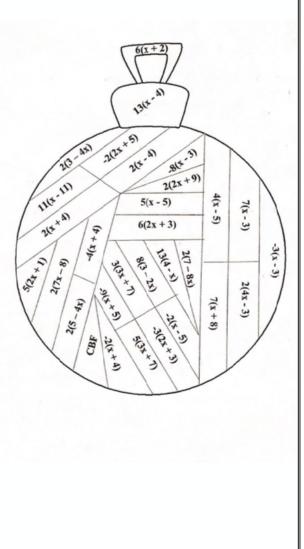
## TTTE: Linear Expressions

Date	Lesson	Topic/Assignment		
Feb 8	1	Distributive Property Video Notes		
Feb 9	1	HOMEWORK: pg295		
Feb 10	2	Simplifying Algebraic Expressions Video Notes		
Feb II	2	HOMEWORK: HW Practice WS		
Feb 12	2	More Notes and Examples		
Feb 17	2	Practice WS		
Feb 19	3 3 3	Adding Expressions Video Notes		
Feb 19	3	HW Practice WS 8Qs		
Feb 22		GLASSWORK: Matching Activity		
Feb 23	4	Subtracting Expressions Video Notes		
Feb 23	4	HOMEWORK: Skills Practice WS		
Feb 24	4	CLASSWORK: HW Practice WS		
Feb 26	4	HOMEWORK: Extra Practice WS		
Feb 26	4	CLASSWORK: QR Code Scavenger Hunt		
March 2	5	Factoring Expressions Video Notes		
March 3	5	HOMEWORK: HW Practice WS		
March 4	5	GLASSWORK: Golor-by-Answer WS		
March 5	ALL	Unit 7 Study Guide		











## March 3, 2021

Name Date Due STUDY GUIDE CH7 LINEAR EXPRESSIONS 7th GRADE Complete the work inside the boxes under the problem. Circle your answer.						
<ol> <li>Name the following in this expression: 3x + 4y + 6 - 2x + 5</li> <li>Terms: Like terms: Coefficients: Constants:</li> </ol>	2. Use the Distributive Property to write this expression as an equivalent algebraic expression. -8(x - 3y)	3. Use the Distributive Property to write this expression as an equivalent algebraic expression. $4(x+5)$				
<ul> <li>4. Use the Distributive Property to write this expression as an equivalent algebraic expression.</li> <li>(3 + b)(-5)</li> </ul>	<ul> <li>5. Use the Distributive Property to write this expression as an equivalent algebraic expression.</li> <li>-7(y + 6)</li> </ul>	6. Simplify. −10 − 6 <i>w</i> + 7 − <i>w</i>				
7. Simplify. 10 <i>c</i> –3(2 – <i>c</i> )	8. Simplify. 12f + 7g - 2(8f + 4)	9. Simplify. 9 - 6(3x + 2y) + 4x				
10. Add. 6x + 9) + (-x - 6)						

## March 3, 2021

11. Add.	12. Add.	13. Subtract.				
(5x-6) + (-x+2)	(-6x + 3) + (8x - 5)	(-3x+2) - (-4x-5)				
14. Subtract.	15. Find the GCF of each pair of monomials.	16. Find the GCF of each pair of monomials.				
(9x-5) - (-3x+3)	30 <i>x</i> , 12 <i>x</i>	20 <i>a</i> , 10 <i>ab</i>				
17. Factor each linear expression. If the expression cannot be factored, write cannot be factored.	18. Factor each linear expression. If the expression cannot be factored, write cannot be factored.	19. Factor each linear expression. If the expression cannot be factored, write cannot be factored.				
55x + 11	42x + 14xy	12r - 17				
		L				
20. The side lengths of a triangle are given by the expressions $7x - 3$ , $9x - 3$ , and $9x - 4$ . Write and simplify a linear expression for the perimeter of the triangle.						
L		]				