Math 6 Unit 6
Expressions and Equations
Extra Practice Problems

1. Draw a tape diagram or hanger for these two number sentences and explain the difference between the equations: $x + 2 = 8$ and $2x = 8$	2. The rectangle has a length 3 times the width. What is the perimeter ? Draw a picture.
3. Lin can complete 30 math problems in 2 hours. Write an expression for *h* hours.	4. Mitchell earns $40 for mowing the lawn. He spends $5 on ice cream and $15 on a book. Write an equation for how much money Mitchell has left.
5. Diego has 200 students in his grade which is 2 times as many as Lin. LIn's grade has x students. Write this equation.	6. Solve the equation: $\frac{2}{5}x = 3\frac{1}{5}$

7. Use the distributive property to write an equivalent expression for: 42 - 14x	8. Solve. $4(3x-2)+2^3=6$

9. Combine the like terms:
       3x + 10 + 12x - 7
 	
_____
use the graph below for #10
 	
	10. Mrs. Canny wants to sell granola bars in her store singularly however they are purchased by her in boxes of 8. She wants to sell each bar for $0.50.
	  ● write an equation
	  ● Complete the table
	  ● graph to show the money collected by the store.
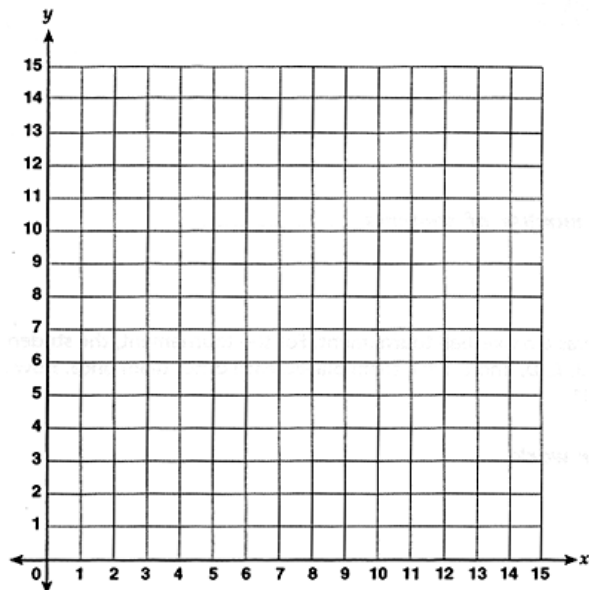	
	equation: _____
	
	<table><tr><td>Number of BOXES</td><td>Money collected</td></tr><tr><td>0</td><td></td></tr><tr><td>1</td><td>4</td></tr><tr><td>2</td><td></td></tr><tr><td>3</td><td></td></tr></table>

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