

Monday  
November 9

**WARM UP: Solve each equation**

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1)  $-5y = 45$

2)  $8 - 7w = 57$

3)  $2(g - 12) = 16$

4)  $2x - 5 - 8x = -41$

**Solving  
Equations**

**LEQ: Which inverse operation do you use to solve an equation?**

**steps:**

**1. Box the Variable.**

$$-15 = \boxed{-4m} + 5$$

**2. Perform the Inverse Operation.**

$$\begin{array}{r} -5 \qquad -5 \\ \hline -20 = -4m \\ \hline -4 \quad -4 \end{array}$$

**3. Solve.**

$$5 = m$$

**4. Check.**

$$\begin{array}{l} -15 = -4(5) + 5 \\ -15 = -20 + 5 \\ -15 = -15 \quad \checkmark \end{array}$$

**We Do  
Together**

$$10 - 6v = -104$$

## Discussion Questions

1. What does it mean to perform the inverse operation?
2. Does it matter if the variable is on the left or right side?
3. When solving two-step equations, what do you do first?
4. To 'get rid' of a fraction, multiply by the \_\_\_\_\_
5. Do all of the integer rules still apply?

Thursday  
November 12

**WARM UP**

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1) A rectangular yard has a length of 30 feet and a perimeter of 140 feet. What is the width of the yard?

2) The cost for a bus ride is \$2.00, plus \$0.40 for each mile traveled. Ms. Jackson was charged \$8.40 for a taxi ride. How many miles was Ms. Jackson's taxi ride?

3) Shawn ordered 7 CDs for \$61.65, which includes a \$6.00 shipping charge. If each CD was the same price, what was the cost of each CD?

4) **Kara's** age is four more than two times Molly's age. If Kara is 16 years old, how many years old is Molly?

Friday  
November 13

**WARM UP**

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1)  $-\frac{2}{3}n + 8 = 20$

2)  $b - 7 + 16 = 18$

3)  $4x + 5(x - 7) = 1$

4) Jane divided 4 dozen flowers into 3 baskets. The 1st basket had  $(x+5)$ , the 2nd basket had  $(3x)$  and the 3rd basket had  $(x+8)$ . How many flowers were in the basket that had the most flowers?