Topic: Equations

(Day 5) _ Teacher Notes on Solving and Checking One-Step Equations.

Model:

Solve	Steps	Check
X ÷ 3 = 7	**Goal: To get the variable alone** **1. Identify the operation.** **2. Perform the inverse operation to both sides.** **3. Simplify** **4. Check**	**Check**
$11 = \frac{b}{9}$	**Goal: To get the variable alone.** 1. **Write the equation.** 2. **Identify the operation.** 3. **Perform the inverse operation to both sides.** 4. **Simplify** 5. **Check**	**Check**
$5w = \frac{5}{7}$	**Goal: To get the variable alone.** **1. Write the equation.** **2. Identify the operation.** **3. Perform the inverse operation to both sides.** **4. Simplify** **5. Check**	**Check**
$\frac{b}{7} = 6$	**Goal: To get the variable alone** **1. Identify the operation.** **2. Perform the inverse operation to both sides.** **3. Simplify** **4. Check**	**Check**
$12 = \frac{3b}{4}$	**Goal: To get the variable alone.** **1. Write the equation.** **2. Identify the operation.** **3. Perform the inverse operation to both sides.** **4. Simplify** **5. Check**	**Check**

Guided Practice

Equations	Solve	Check
a) $\frac{3}{4}x = 9$	X =_____	
b) $\frac{5}{7}x = 10$	X =_____	
c) $\frac{x}{8} = 6$	X =_____	
d) $\frac{x}{5} = 8$	X =_____	

Practice Makes Perfect!

Equations	Solve	Check
a) 0.9x = 1.8	X =_____	
b) 0.12m = 4.8	m =_____	
c) 0.3v = 6.09	V = _____	