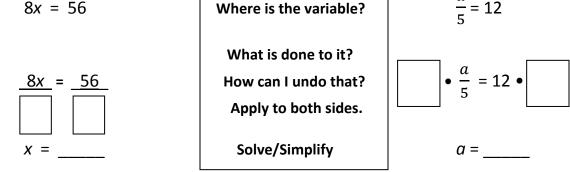
## Solving One-Step Equations – Multiplication & Division (SOL 6.18 & 7.14)

Remember: The GOAL of solving equations: \_\_\_\_\_ ٠ To do this you need to \_\_\_\_\_\_ the variable, using \_\_\_\_\_\_ State the INVERSE OPERATIONS • Add 23 Subtract 18 ο \_\_\_\_\_ Multiply by –15 \_\_\_\_\_ ο o Divide by 8 Example 2: Solve  $\frac{a}{5} = 12$ Example 1: Solve 8x = 56. Solution: Solution:  $\frac{a}{5} = 12$ 8x = 56Where is the variable?



Check:

Check:

$$8x = 56$$
Write original equation. $\frac{a}{5} = 12$  $8(\_) \stackrel{?}{=} 56$ Substitute for variable. $\frac{(\_)}{5} = 12$  $\_= 56\checkmark$ Is it true? $\_= 12$ 

## Let's Practice!!

Solve each equation. Check your solution.

Solve	Check here:	Solve	Check here:
3 <i>a</i> = 18		$\frac{b}{4} = 12$	
$4 = \frac{f}{3}$		48 = 6y	
121 = 11a		$\frac{g}{7} = 7$	
9x = 45		32 = 8a	
3z=36		$\frac{x}{5} = 2$	
$21 = \frac{x}{3}$		8b = 56	