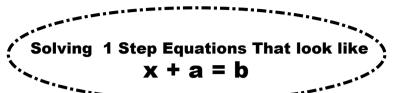
Section 11.2



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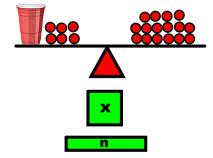
3 methods to solve an equation

- Inspection (guess and check).
- Model the equation on a scale and balance the values.
- Isolate the variable by performing the opposite operation on both sides of the equation.

Method 1: Inspection (guess and check)

j + 6 = 16	23 - t = 11	17 = x - 9

Method 2: Model on Scale and Balance



Method 2: Advanced	
John scored 15 goals in a soccer season. This was 6 more	
goals than his friend Matt. How many goals did Matt score?	
Write the Equation	
Model It on a scale	

How many goals did Matt score?	
M	
x	
n	
Method 3: Isolate The Variable By Performing The	
Opposite Operation	
C + 32 = 55	
Check Using Substitution	

Method 3: Advanced	
Mike scored 22 goals on his hockey team. This was 15 goals less than	
his teammate Jeff. How many goals did Jeff score?	
Write the equation	
Solve the equation	
Check using substitution	
<u>Key Ideas</u>	
Solve an Equation means you need to find the value of the variable.	
You can solve an equation using 3 methods.	
1	
2	
3	
Check your answers using substitution. If Left Side = Right Sidemeans you did it right	
ii Lott Side - Right Side	