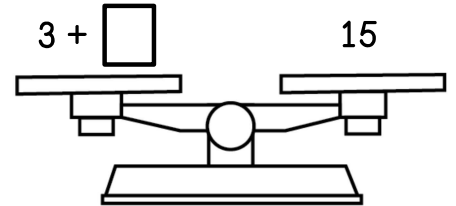
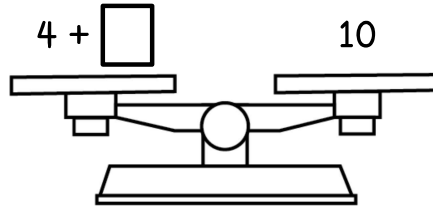
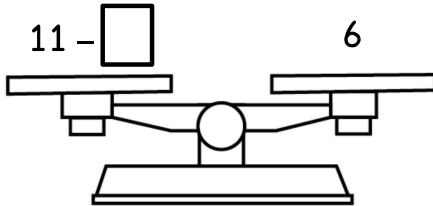


ONE-STEP EQUATIONS: ADDITION & SUBTRACTION

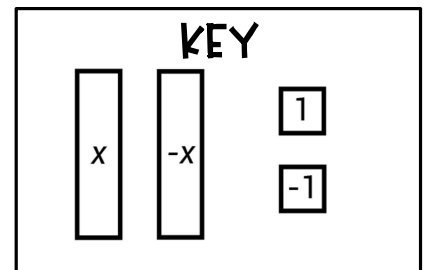
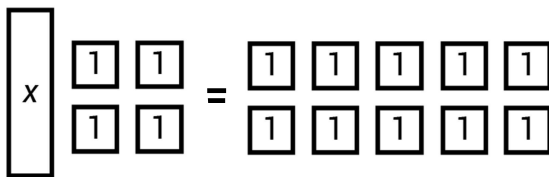
Fill in the missing number to keep the scales balanced.



SOLVING ONE-STEP EQUATIONS

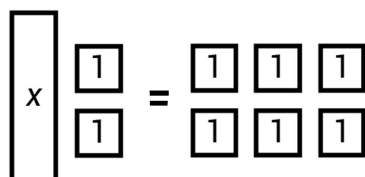
- Solving equations allows you to find a missing value, or variable.
 - The _____ must be alone or _____ on one side of the equation.
 - Isolate the variable by using _____ operations.
 - Keep your equation _____.
 - Check your _____ by plugging your answer back into the equation.

1. Use the key to write and solve the equation represented below.



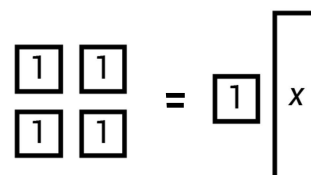
Equation: _____ Solution: _____

2. Write and solve the equation represented below.



Equation: _____
Solution: _____

3. Write and solve the equation represented below.



Equation: _____
Solution: _____

Use your understanding of solving one-step equations to answer the questions below.

4. Write and solve the equation represented below.

$$\begin{array}{|c|} \hline x \\ \hline \end{array} \begin{array}{|c|} \hline -1 \\ \hline \end{array} \begin{array}{|c|} \hline -1 \\ \hline \end{array} = \begin{array}{|c|} \hline 1 \\ \hline \end{array} \begin{array}{|c|} \hline 1 \\ \hline \end{array} \begin{array}{|c|} \hline 1 \\ \hline \end{array} \begin{array}{|c|} \hline 1 \\ \hline \end{array}$$

Equation: _____

Solution: _____

5. Write and solve the equation represented below.

$$\begin{array}{|c|} \hline 1 \\ \hline \end{array} \begin{array}{|c|} \hline 1 \\ \hline \end{array} \begin{array}{|c|} \hline 1 \\ \hline \end{array} \begin{array}{|c|} \hline 1 \\ \hline \end{array} \begin{array}{|c|} \hline 1 \\ \hline \end{array} \begin{array}{|c|} \hline 1 \\ \hline \end{array} \begin{array}{|c|} \hline 1 \\ \hline \end{array} \begin{array}{|c|} \hline 1 \\ \hline \end{array} = \begin{array}{|c|} \hline x \\ \hline \end{array} \begin{array}{|c|} \hline -1 \\ \hline \end{array}$$

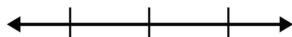
Equation: _____

Solution: _____

Solve the following one-step equations. Draw algebra tiles if needed, and then check your work.

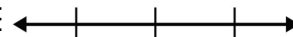
6. $x - 6 = 12$

CHECK & GRAPH:



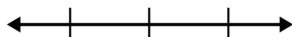
7. $x + 5 = 11$

CHECK & GRAPH:



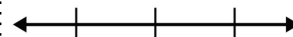
8. $15 = x - 2$

CHECK & GRAPH:



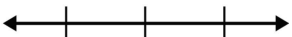
9. $17 = x + 4$

CHECK & GRAPH:



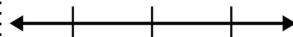
10. $x + 19 = 35$

CHECK & GRAPH:



11. $46 = x - 22$

CHECK & GRAPH:



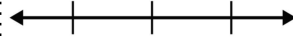
12. $x - 27 = 31$

CHECK & GRAPH:



13. $54 = x + 33$

CHECK & GRAPH:



Summarize today's lesson:

ONE-STEP EQUATIONS: ADDITION & SUBTRACTION

Match each correct answer to a letter and complete the riddle below.

1 $x - 7 = 4$	6 $23 = x - 13$
2 $9 + x = 14$	7 $14 = x + 12$
3 $x + 7 = 16$	8 $9 = x - 6$
4 $x + 3 = 28$	9 $x - 2 = 21$
5 $17 + x = 18$	10 $x - 7 = 26$

I: 9	E: 15	R: 22	D: 25	B: 6	M: 8
J: 4	W: 11	H: 3	O: 2	A: 1	F: 10
T: 36	N: 18	C: 5	S: 23	U: 33	G: 19

WHY DIDN'T BOB DRINK A GLASS OF WATER WITH 8 PIECES OF ICE?

_____ **B** _____
 3 6 1 5 9 6 1 7 2 10 8 4