

One Step Equations with Subtraction

When we write equations with subtraction they are in this form...	
Since the cup visual is difficult to show with subtraction, today we will use...	

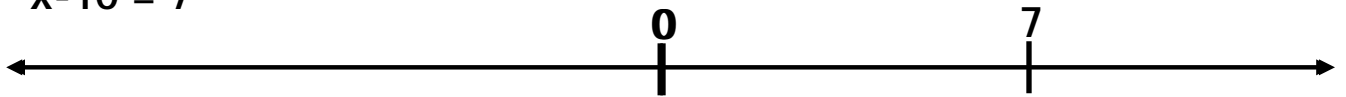
Introduction

Number Lines

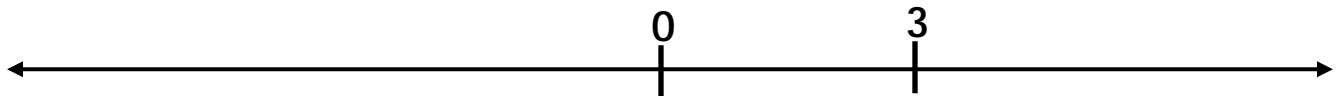
When we use a number line, we ask ourselves where do we place the _____?

Let's try as a class...

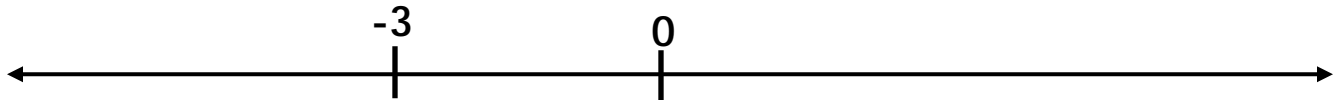
$$x - 10 = 7$$



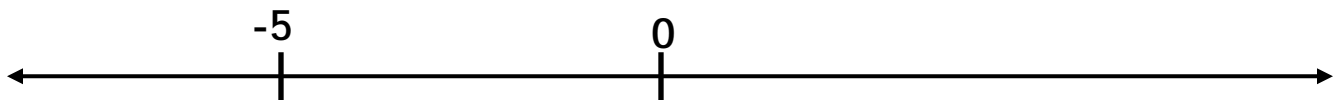
$$x - 9 = 3$$



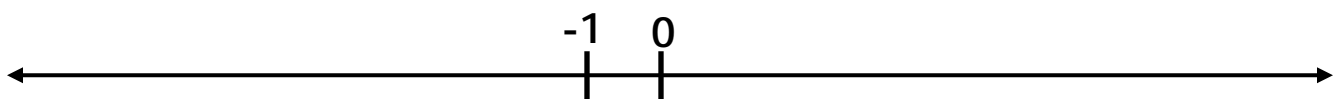
$$x - 1 = -3$$



$$x - 4 = -5$$



$$x - 5 = -1$$



To the Right, to the Right

All of our variables are _____ on the number line.

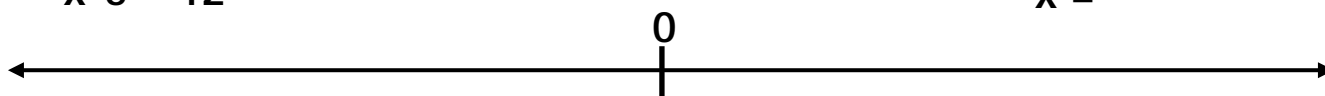
That means that the value of x is _____ than the difference.

Find the Solution

Place the difference, and the x on the number line, and use that to help solve for x .

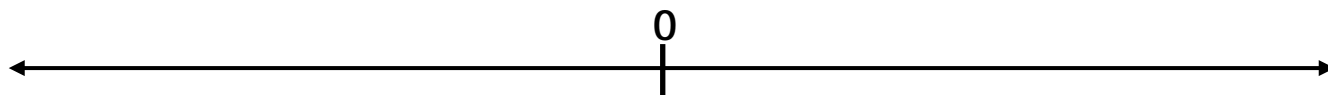
$$x - 5 = 12$$

$x =$



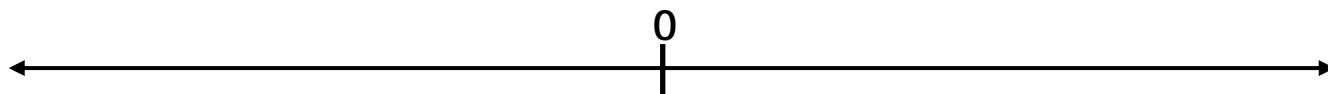
$$x - 13 = 19$$

$x =$



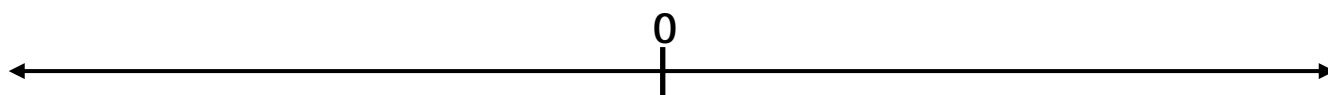
$$x - 9 = -6$$

$x =$



$$x - 10 = -20$$

$x =$



Give a quick summary of how you can easily solve equations that involve subtraction.

If there is subtraction, than to find our value of x we _____.