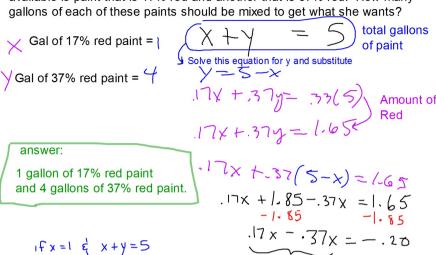
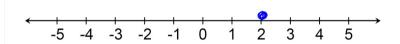
Sally's favorite color is pink. Her favorite shade of pink is then the paint is 33% red. She wants to mix up 5 gallons of her favorite pink but all that is available is paint that is 17% red and another that is 37% red. How many gallons of each of these paints should be mixed to get what she wants?



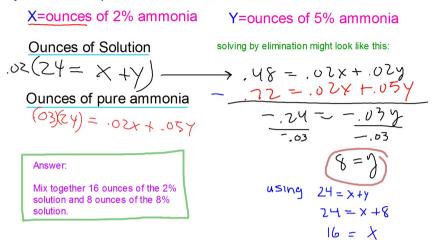
Graph this on a number line:

$$x = 2$$



You are going to mix together two kinds of window cleaner. One of the cleaners has 2% ammonia and the other has 5% ammonia.

How many ounces of each acid solution should you use so that you will end up with 24 ouncesof a mixture that is 3% ammonia?



Number line graph of the solution to an equation:

Just a point on the number line.