

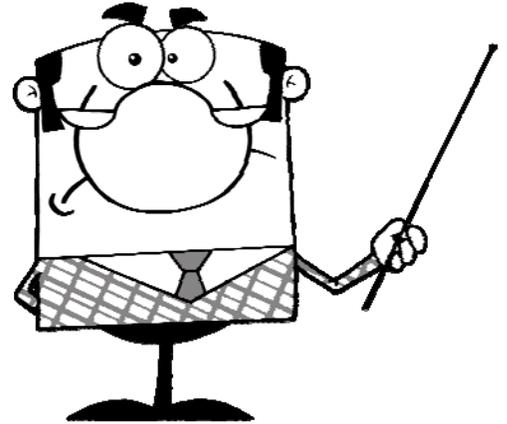
Name _____

Date _____

Single Step Subtraction Algebra Step-by-Step Lesson

Solve for x.

$$95 = x - 32$$



Explanation:

Our goal here is to get the variable x by itself.

To get x by itself, we can perform any additional operation of our choice, as long as we perform the operation on both sides of the equal symbol.

Let's look at the equation and spot what we need to get rid of to x by itself:

$$95 = x \boxed{- 32}$$

We clearly see that if -32 were to disappear, x would be by itself.

We can make this happen by performing the opposite operation of -32 on both sides for the equal symbol. The opposite operation of -32 is +32. Let's make it happen:

$$\begin{array}{r}
 95 = x - 32 \\
 +32 \qquad \qquad +32 \\
 \hline
 127 = x
 \end{array}$$

So, the answer is $x = 127$

