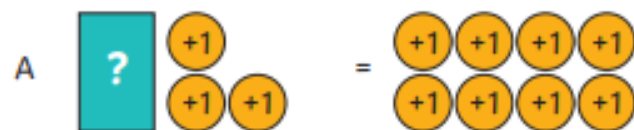


- a) State which representation matches the equation  $x + 3 = 8$ .



- b) Write down the two equations shown by the other two representations.  
 c) What is the value of  $x$  in each equation?

Does each bar model match the equation?  
 Explain your answer.

$$3x = 30$$

3	$x$
30	

$$30 = x + 15$$

$x$	15
30	

$$x + 3 = 30$$

$x$	$x$	$x$
30		

Is the value of the letter  $x$  the same in both equations? Prove your answer and explain your reasoning.

$$x + 74.5 = 125$$

$$4x = 202$$