"I Understand that Solving an Equation means to find the Value that makes it true."

Determining if a Solution Makes the Equation True Solve the following Equation:

$$x+15-6=20$$

**Can** 
$$x = 12$$
 ?

Can 
$$x=3$$
?

## Conclusion:

Equations can only have \_\_\_\_\_ Solution.

Determine if the Solution makes each Equation True.

Does 
$$x = 5$$
?  $4x - 3 = 17$ 

Does 
$$x = 7$$
?  
 $24 - x = 7$ 

Does 
$$x = 6$$
?  $20 + 4x = 44$ 

4 For which equation does p = 12?

For which equation does p = 9?

$$3p = 4$$
  $2(p-5) = 14$ 

$$\frac{45}{p} + p = 18$$

$$\frac{p+7}{4}=4$$

The set of numbers 7, 11, and 36 contains values for x. What value of x makes the equation below true?

$$4x + 8 = 36$$

Can you determine the value that makes this equation true?

$$7x - 12 = 44$$

"I Understand that Solving an Equation means to find the Value that makes it true."

Determining if a Solution Makes the Equation True Solve the following Equation:

Can 
$$x = 12$$
?
$$12 + 15 - 6 \stackrel{?}{=} 10$$

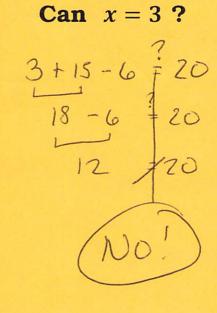
$$27 - 6 \stackrel{?}{=} 20$$

$$21 \stackrel{?}{=} 20$$

$$0$$

$$0$$

$$0$$

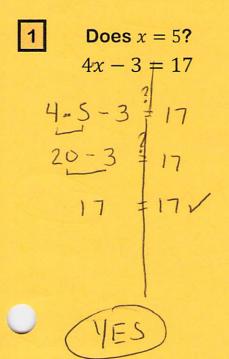


Conclusion:

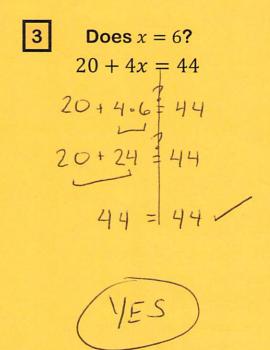
Equations can only have \_\_ONE\_\_\_ Solution.

Determine if the Solution makes each Equation True.

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Does 
$$x = 7$$
?
 $24 - x = 7$ 
 $24 - 7 = 7$ 
 $17$ 
 $17$ 



For which equation does p = 12?

$$3p = 4$$
  $2(p-5) = 14$ 
 $3 \cdot 12 = 4$   $2(12-5) = 14$ 
 $3 \cdot 6 \neq 4$   $2 \cdot 7 = 14$ 

For which equation does p = 9?

$$\frac{45}{p} + p = 18$$

$$\frac{45}{p} + q = 18$$

$$\frac{9+7}{4} = 4$$

$$\frac{9}{4} = 4$$

$$\frac{9+7}{4} = 4$$

The set of numbers 7, 11, and 36 contains values for x. What value of x makes the equation below true?

$$4x + 8 = 36$$

Can you determine the value that makes this equation true?

$$7x - 12 = 44$$

