Vocabulary review....

Finding the value of a variable that makes an equation true

Solve for x:

$x + 2 = 3$

Find the value of x so that $x + 2 = 3$ is a true statement.

Try to solve...

Solve for x:

$4 + x = 6$ $x = 2$

$x - 3 = 6$ $x = 9$

$x + 8 = 12$ $x = 4$

When you are solving these equations, what are you doing to solve for x?

Write this down on your notes sheet and be prepared to share your answer.

- opposite of the number
- guess & check
- subtract answer from number
- Add/subtract to find
- Add/Subtract
- Counting up/down
- opposite of sign
- add or subtract

solve

$x + 8 = 12$

$-8 \quad -8$

$x = 4$

Inverse operations are *'opposites'* meaning they "*undo each other*"

Drag to reveal the inverse of each operation

Addition	Subtraction
Subtraction	Addition
Multiplication	Division
Division	Multiplication

White Board Practice Problems

1. $x + 4 = 10$

$-4 \quad -4$

$x = 6$

2. $5 + x = 7$

$-5 \quad -5$

$x = 2$

3. $x + 3 = 7$

$x + 3 = 7$

$-3 \quad -3$

$x = 4$

4. $9 + x = 23$

$-9 \quad -9$

$x = 14$

White Board Practice Problems

1. $x - 4 = 10$

$+4 \quad +4$

$x = 14$

2. $-5 + x = 7$

$-5+x=7$

$5 \quad 5$

$x=12$

3. $x - 3 = 7$

$+3 \quad +3$

$x = 10$

4. $-9 + x = 23$

$+9 \quad +9$

$x = 32$

White Board Practice Problems

1. $x + 4 = -3$

2. $-5 + x = -10$

3. $x - 3 = -7$

4. $-9 + x = -6$

+9 +9

$x = 3$