Solving Equations
by
Adding and Subtracting

7th Grade Mathematics
Mr. Wong

Solving Equations Get the variable by itself.

Remember the variable is the "unknown"

Solve:
$$x - 2 = 0$$

$$x - 2 = 0$$

$$+ 2 + 2$$

$$x = 2$$

- Put a line down the equal sign
- Get the "x" by itself
 - Cover the "x"
 - What doesn't belong?
- "2" Do the opposite to move it to the other side
- Now is "x" by itself?

Solve:
$$x + 4 = 0$$

$$x + 4 = 0$$

$$-4 - 4$$

$$x = -4$$

- Put a line down the equal sign
- Get the "x" by itself
 - Cover the "x"
 - What doesn't belong?
- "4" Do the opposite to move it to the other side
- Now is "x" by itself?

Solve:
$$-45 = x + (-3)$$

$$-45 = x + (-3) + 3$$

 $-42 = x$

- Put a line down the equal sign
- Get the "x" by itself
 - · Cover the "x"
 - What doesn't belong?
- "-3" Do the opposite to move it to the other side
- Now is "x" by itself?

Solve: n - 29 - 16 = 246

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The End!