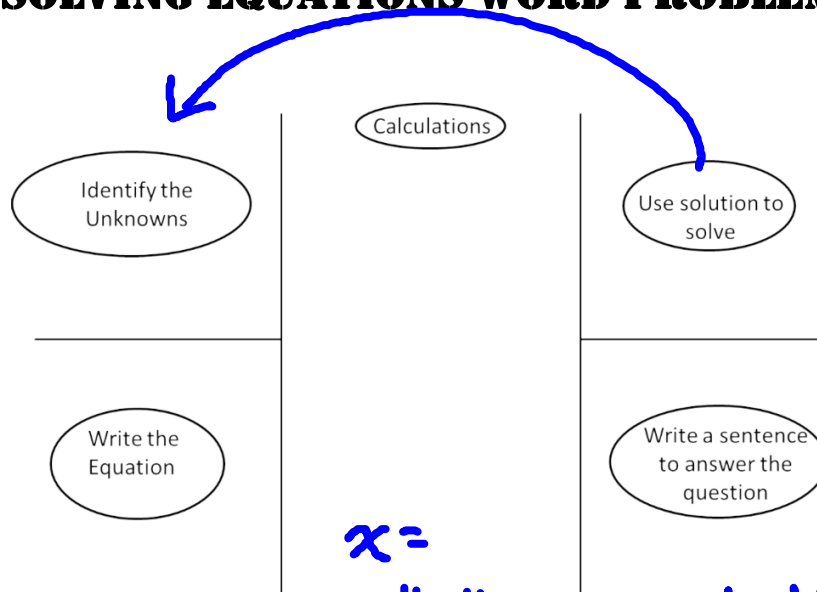


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SOLVING EQUATIONS WORD PROBLEM



Examples *We use the variable "x" to represent the value we know the least about*

Today a man is 10 years older than twice his son's age. The sum of their ages is 55. What is the father's age and the son's age?

Unknowns	Calculations	solve
<p>Son's age: x</p> <p>Father's age: $2s + 10$ $2x + 10$</p>	<p>$x + (2x + 10) = 55$</p> <p>$x + 2x + 10 = 55$</p> <p>$3x + 10 = 55$ $\quad -10 \quad -10$</p> <p>$3x = 45$ $\quad \underline{\quad} \quad \underline{\quad}$ $\quad \quad \quad 3$</p> <p>$x = 15$</p>	<p>$S = 15$ yrs old</p> <p>$F = 2(15) + 10$ $30 + 10$ $= 40$ yrs old</p>
Equation		Answer
<p>$S + F = 55$</p> <p>$x + (2x + 10) = 55$</p>		<p>The son is 15 years old and the father is 40 years old.</p>

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