

$M = X + 3$ $R = X = 12$ $A = 2(X + 3)$ $2x + 6$	<p><b>1. AGES</b> Mel is 3 years older than Rachel and Aurelio is twice as old as Mel. The sum of their ages is 57. How old is Mel?</p> $(X + 3) + X + (2x + 6) = 57$ $4x + 9 = 57$ $\begin{array}{r} -9 \quad -9 \\ \hline 4x = 48 \\ \frac{4}{4} \quad \frac{4}{4} \\ \hline x = 12 \end{array}$	<p><b>2. CONSECUTIVE NUMBERS</b> Find three consecutive integers with a sum of -36.</p> $X + (x + 1) + (x + 2) = -36$ $3x + 3 = -36$ $\begin{array}{r} -3 \quad -3 \\ \hline 3x = -39 \\ \frac{3}{3} \quad \frac{3}{3} \\ \hline x = -13 \end{array}$
$\#1 = X = -13$ $\#2 = x + 1 = -12$ $\#3 = x + 2 = -11$		
$\text{Mel: } 12 + 3 = \boxed{15 \text{ years}}$		

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$\#1 = x = 23$ $\#2 = x + 2 = 25$ $\#3 = x + 4 = 27$	<p><b>4. CONSECUTIVE NUMBERS:</b> Find three consecutive <u>odd</u> integers with a sum of 75.</p> $X + X + 2 + X + 4 = 75$ $3x + 6 = 75$ $\begin{array}{r} -6 \quad -6 \\ \hline 3x = 69 \\ \frac{3}{3} \quad \frac{3}{3} \\ \hline x = 23 \end{array}$	<p><b>5. PERIMETER</b> A rectangle has a perimeter of 36 inches. If the length is twice the width, what are the <u>dimensions</u> of this rectangle?</p> <div style="display: flex; align-items: center; justify-content: center;"> <div style="text-align: center; margin-right: 10px;"> <math display="block">\begin{array}{c} 2x \\ \square \\ x \end{array}</math> </div> <div style="margin-right: 10px;"> <math display="block">P = 36</math> <math display="block">P = 6x</math> </div> </div> $6x = 36$ $\begin{array}{r} 6 \quad 6 \\ \hline x = 6 \end{array}$ <div style="border: 1px solid green; padding: 5px; width: fit-content; margin: 10px auto;"> <math display="block">l = 12</math> <math display="block">W = 6</math> </div>
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