

What two consecutive even integers add up to 70?

one after the other +2

#1:  $x$

#2:  $x+2$

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#1 + #2 = 70

$x + (x+2) = 70$

$x + (x+2) = 70$

$x$  +  $x+2$  = 70

$2x + 2 = 70$

~~$x$~~       ~~$-2$~~

$\frac{2x}{2} = \frac{68}{2}$

$x = 34$

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#1 = 34

#2 = 34 + 2 = 36

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The numbers are 34 and 36.