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## Solve One-Step Addition and Subtraction Equations

You can solve one-step equations using inverse operations. For example, addition and subtraction are inverse operations. To solve a one-step addition or subtraction equation, apply the inverse operation to both sides of the equation to get the variable alone.

Let's try it! Solve each equation.
$n+5=16$
$n+5-5=16-5$
Subtract 5 from both
sides of the equation.
$n=11$
b-4 = 13
b-4+4=13+4
$b=17$

Try it yourself! Solve each equation.

| 1. | $\begin{gathered} h+3=14 \\ h=11 \end{gathered}$ |  | $\begin{gathered} p-12=6 \\ p=18 \end{gathered}$ | 3. | $\begin{gathered} v+9=23 \\ v=14 \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 4. | $\begin{gathered} r-6=19 \\ r=25 \end{gathered}$ | 5. | $\begin{gathered} 7+c=22 \\ c=15 \end{gathered}$ | 6. | $\begin{gathered} q-21=16 \\ q=37 \end{gathered}$ |
| 7. | $\begin{gathered} 11+x=35 \\ x=24 \end{gathered}$ |  | $\begin{gathered} k-15=28 \\ k=43 \end{gathered}$ | 9. | $\begin{gathered} z+14=27 \\ z=13 \end{gathered}$ |
| 10. | $\begin{gathered} f-17=24 \\ f=41 \end{gathered}$ |  | $\begin{gathered} 26+m=32 \\ m=6 \end{gathered}$ | 12. | $\begin{gathered} d-25=39 \\ d=64 \end{gathered}$ |
| 13. | $\begin{gathered} 28+s=37 \\ s=9 \end{gathered}$ |  | $\begin{gathered} u-21=29 \\ u=50 \end{gathered}$ | 15. | $\begin{gathered} y+33=76 \\ y=43 \end{gathered}$ |

