Basic One-step Equations. **Date:** **Name:**

Through your working, show how you are keeping the equation balanced as you solve for the variable.

http://www.learnersgrid.com

[1] $d - 25 = -21$

[2] $c - 32 = -5$

[3] $41 = f - 33$

[4] $y - 15 = 1$

[5] $y - 41 = 4$

[6] $91 = n - 40$

[7] $42 - y = 37$

[8] $48 - w = 39$

[9] $23 = 44 - g$

[10] $33 - c = 28$

[11] $34 - k = 39$

[12] $50 = 56 - k$

ANSWERS Basic One-step Equations.

Through your working, show how you are keeping the equation balanced as you solve for the variable.

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[1]

$d - 25 = -21$

+ 25 *+ 25*

$d = 4$

[2]

$c - 32 = -5$

+ 32 *+ 32*

$c = 27$

[3]

$41 = f - 33$

+ 33 *+ 33*

$74 = f$

$f = 74$

[4]

$y - 15 = 1$

+ 15 *+ 15*

$y = 16$

[5]

$y - 41 = 4$

+ 41 *+ 41*

$y = 45$

[6]

$91 = n - 40$

+ 40 *+ 40*

$131 = n$

$n = 131$

[7]

$42 - y = 37$

– 42 *– 42*

$-y = -5$

× – 1 *× – 1*

$y = 5$

[8]

$48 - w = 39$

– 48 *– 48*

$-w = -9$

× – 1 *× – 1*

$w = 9$

[9]

$23 = 44 - g$

– 44 *– 44*

$-21 = -g$

× – 1 *× – 1*

$21 = g$

$g = 21$

[10]

$33 - c = 28$

– 33 *– 33*

$-c = -5$

× – 1 *× – 1*

$c = 5$

[11]

$34 - k = 39$

– 34 *– 34*

$-k = 5$

× – 1 *× – 1*

$k = -5$

[12]

$50 = 56 - k$

– 56 *– 56*

$-6 = -k$

× – 1 *× – 1*

$6 = k$

$k = 6$