**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*

**Round to 1 d.p. if necessary.**

**[1]** $g - 43.7 = -39.7$

**[2]** $53.2 - h = 45.2$

**[3]** $3.8 = w - 30.3$

**[4]** $d + 15.8 = 31.8$

**[5]** $12.1 + h = 14.1$

**[6]** $71.1 = f + 28.4$

**[7]** $51 = 78.5 - g$

**[8]** $37 + f = 40$

**[9]** $31.6 = 27.2 + k$

**[10]** $\frac{k}{5} = 9$

**[11]** $\frac{m}{8} = 11$

**[12]** $20 = \frac{y}{8}$

**[13]** $60.5 = 12.1n$

**[14]** $15m = 48$

**[15]** $134.3 = 18.4k$

## SOLUTIONS **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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**Round to 1 d.p. if necessary.**

**[1]**

$g - 43.7 = -39.7$

*+ 43.7* *+ 43.7*

$g = 4$

**[2]**

$53.2 - h = 45.2$

*− 53.2* *− 53.2*

$-h = -8$

*× − 1* *× − 1*

$h = 8$

**[3]**

$3.8 = w - 30.3$

*+ 30.3* *+ 30.3*

$34.1 = w$

$w = 34.1$

**[4]**

$d + 15.8 = 31.8$

*− 15.8* *− 15.8*

$d = 16$

**[5]**

$12.1 + h = 14.1$

*− 12.1* *− 12.1*

$h = 2$

**[6]**

$71.1 = f + 28.4$

*− 28.4* *− 28.4*

$42.7 = f$

$f = 42.7$

**[7]**

$51 = 78.5 - g$

*− 78.5* *− 78.5*

$-27.5 = -g$

*× − 1* *× − 1*

$27.5 = g$

$g = 27.5$

**[8]**

$37 + f = 40$

*− 37* *− 37*

$f = 3$

**[9]**

$31.6 = 27.2 + k$

*− 27.2* *− 27.2*

$4.4 = k$

$k = 4.4$

**[10]**

*× 5*

$\frac{k}{5}$ *×5* $= 9.3$ *×5*

$k = 46.5$

**[11]**

*× 8*

$\frac{m}{8}$ *×8* $= 11.1$ *×8*

$m = 88.8$

**[12]**

*× 8*

$20.3$ *×8* $= \frac{y}{8}$ *×8*

$162.4 = y$

$y = 162.4$

**[13]**

$60.5 = 12.1n$

*÷ 12.1* *÷ 12.1*

$5 = n$

$n = 5$

**[14]**

$15m = 48$

*÷ 15* *÷ 15*

$m = 3.2$

**[15]**

$134.3 = 18.4k$

*÷ 18.4* *÷ 18.4*

$7.3 = k$

$k = 7.3$