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

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] $w - 29.2 = -19.2$

[2] $25.5 - g = 17.5$

[3] $-19.5 = h - 40.7$

[4] $g + 47.1 = 59.1$

[5] $11.2 + m = 18.2$

[6] $51.4 = p + 14.4$

[7] $31 = 48.4 - w$

[8] $32 + d = 35$

[9] $41.8 = 30.7 + f$

[10] $\frac{c}{8} = 10$

[11] $\frac{d}{12} = 17$

[12] $18 = \frac{n}{4}$

[13] $59.5 = 11.9p$

[14] $12d = 140.4$

[15] $149.5 = 15.9k$

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]

$w - 29.2 = -19.2$

$+ 29.2 \quad + 29.2$

$w = 10$

[2]

$25.5 - g = 17.5$

$- 25.5 \quad - 25.5$

$-g = -8$

$\times -1 \quad \times -1$

$g = 8$

[3]

$-19.5 = h - 40.7$

$+ 40.7 \quad + 40.7$

$21.2 = h$

$h = 21.2$

[4]

$g + 47.1 = 59.1$

$- 47.1 \quad - 47.1$

$g = 12$

[5]

$11.2 + m = 18.2$

$- 11.2 \quad - 11.2$

$m = 7$

[6]

$51.4 = p + 14.4$

$- 14.4 \quad - 14.4$

$37 = p$

$p = 37$

[7]

$31 = 48.4 - w$

$- 48.4 \quad - 48.4$

$-17.4 = -w$

$\times -1 \quad \times -1$

$17.4 = w$

$w = 17.4$

[8]

$32 + d = 35$

$- 32 \quad - 32$

$d = 3$

[9]

$41.8 = 30.7 + f$

$- 30.7 \quad - 30.7$

$11.1 = f$

$f = 11.1$

[10]

$\times 8$

$\frac{c}{8} = 10.3$ $\times 8$ $\times 8$

$c = 82.4$

[11]

$\times 12$

$\frac{d}{12} = 17.4$ $\times 12$ $\times 12$

$d = 208.8$

[12]

$\times 4$

18.3 $\times 4$ $= \frac{n}{4}$ $\times 4$

$73.2 = n$

$n = 73.2$

[13]

$59.5 = 11.9p$

$\div 11.9 \quad \div 11.9$

$5 = p$

$p = 5$

[14]

$12d = 140.4$

$\div 12 \quad \div 12$

$d = 11.7$

[15]

$149.5 = 15.9k$

$\div 15.9 \quad \div 15.9$

$9.4 = k$

$k = 9.4$