Basic Two-step Equations with Unknown on One Side **Date:** **Name:**

Through your working, show how you are keeping the equation balanced as you solve for the variable. Round to 1 d.p. if necessary.

http://www.learnersgrid.com

[1]

$12.4m + 23 = 134.6$

[2]

$\frac{f}{3} + 220.9 = 226.9$

[3]

$27.5 = 3.5m + 17$

[4]

$5m - 17 = 39.5$

[5]

$6m - 21 = 66.6$

[6]

$181.8 = 12m - 21$

[7]

$-12.4m + 16 = -95.6$

[8]

$\frac{y}{7} - 15 = 15.04$

[9]

$-5.5 = -3.5m + 19$

[10]

$8m - 13.4 = -125.4$

[11]

$6m - 19 = -123.4$

[12]

$116.6 = 12m - 19$

Basic Two-step Equations with Unknown on One Side

Through your working, show how you are keeping the equation balanced as you solve for the variable. Round to 1 d.p. if necessary.

http://www.learnersgrid.com

[1]

$12.4m + 23 = 134.6$

$-23 \qquad -23$

$12.4m = 111.6$

$\div 12.4 \qquad \div 12.4$

$\boxed{m = 9.0}$

[2]

$\frac{f}{3} + 220.9 = 226.9$

$-220.9 \qquad -220.9$

$\frac{f}{3} = 6$

$\times 3 \qquad \times 3$

$\boxed{f = 18}$

[3]

$27.5 = 3.5m + 17$

$-17 \qquad -17$

$10.5 = 3.5m$

$\div 3.5 \qquad \div 3.5$

$3.0 = m$

$\boxed{m = 3.0}$

[4]

$5m - 17 = 39.5$

$+17 \qquad +17$

$5m = 56.5$

$\div 5 \qquad \div 5$

$\boxed{m = 11.3}$

[5]

$6m - 21 = 66.6$

$+21 \qquad +21$

$6m = 87.6$

$\div 6 \qquad \div 6$

$\boxed{m = 14.6}$

[6]

$181.8 = 12m - 21$

$+21 \qquad +21$

$202.8 = 12m$

$\div 12 \qquad \div 12$

$16.9 = m$

$\boxed{m = 16.9}$

[7]

$-12.4m + 16 = -95.6$

$-16 \quad -16$

$-12.4m = -111.6$

$\div -12.4 \quad \div -12.4$

$\boxed{m = 9.0}$

[8]

$\frac{y}{7} - 15 = 15.04$

$+15 \quad +15$

$\frac{y}{7} = 30.043$

$\times 7 \quad \times 7$

$\boxed{y = 210.3}$

[9]

$-5.5 = -3.5m + 19$

$-19 \quad -19$

$-25 = -3.5m$

$\div -3.5 \quad \div -3.5$

$7.0 = m$

$\boxed{m = 7.0}$

[10]

$8m - 13.4 = -125.4$

$+13.4 \quad +13.4$

$8m = -112$

$\div 8 \quad \div 8$

$\boxed{m = -14.0}$

[11]

$6m - 19 = -123.4$

$+19 \quad +19$

$6m = -104.4$

$\div 6 \quad \div 6$

$\boxed{m = -17.4}$

[12]

$116.6 = 12m - 19$

$+19 \quad +19$

$135.6 = 12m$

$\div 12 \quad \div 12$

$11.3 = m$

$\boxed{m = 9.0}$