Basic One-step Equations.   Date: Name:

Through your working, show how you are keeping the   *http://www.learnersgrid.com*
equation balanced as you solve for the variable.   **Round to 1 d.p. if necessary.**

[1] $\dfrac{k}{7.8} = -2$ **[2]** $\dfrac{f}{12.2} = 5$ **[3]** $\dfrac{g}{18.4} = 4$

[4] $\dfrac{h}{16.1} = 7$ **[5]** $\dfrac{y}{-19.7} = 1$ **[6]** $\dfrac{k}{-18.3} = 3$

[7] $-9 = \dfrac{m}{7.5}$ **[8]** $10 = \dfrac{w}{4.5}$ **[9]** $13 = \dfrac{k}{3}$

[10] $-6 = \dfrac{c}{13.5}$ **[11]** $-4 = \dfrac{m}{10.5}$ **[12]** $-1 = \dfrac{n}{-8}$

[13] $\dfrac{p}{31.3} = 7$ **[14]** $\dfrac{p}{9.7} = 3$ **[15]** $19 = \dfrac{k}{-0.2}$

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]
$$\frac{k}{7.8} = -2 \quad {\scriptstyle \times 7.8} \qquad {\scriptstyle \times 7.8}$$

$$\boxed{k = -15.6}$$

[2]
$$\frac{f}{12.2} = 5 \quad {\scriptstyle \times 12.2} \qquad {\scriptstyle \times 12.2}$$

$$\boxed{f = 61}$$

[3]
$$\frac{g}{18.4} = 4 \quad {\scriptstyle \times 18.4} \qquad {\scriptstyle \times 18.4}$$

$$\boxed{g = 73.6}$$

[4]
$$\frac{h}{16.1} = 7 \quad {\scriptstyle \times 16.1} \qquad {\scriptstyle \times 16.1}$$

$$\boxed{h = 112.7}$$

[5]
$$\frac{y}{-19.7} = 1 \quad {\scriptstyle \times -19.7} \qquad {\scriptstyle \times -19.7}$$

$$\boxed{y = -19.7}$$

[6]
$$\frac{k}{-18.3} = 3 \quad {\scriptstyle \times -18.3} \qquad {\scriptstyle \times -18.3}$$

$$\boxed{k = -54.9}$$

[7]
$$-9 \quad {\scriptstyle \times 7.5} = \frac{m}{7.5} \quad {\scriptstyle \times 7.5}$$

$$-67.5 = m$$

$$\boxed{m = -67.5}$$

[8]
$$10 \quad {\scriptstyle \times 4.5} = \frac{w}{4.5} \quad {\scriptstyle \times 4.5}$$

$$45 = w$$

$$\boxed{w = 45}$$

[9]
$$13 \quad {\scriptstyle \times 3} = \frac{k}{3} \quad {\scriptstyle \times 3}$$

$$39 = k$$

$$\boxed{k = 39}$$

[10]

$$-6 \,{}_{\times\,13.5} = \frac{c}{13.5} \,{}_{\times\,13.5}$$

$$-81 = c$$

$$\boxed{c = -81}$$

[11]

$$-4 \,{}_{\times\,10.5} = \frac{m}{10.5} \,{}_{\times\,10.5}$$

$$-42 = m$$

$$\boxed{m = -42}$$

[12]

$$-1 \,{}_{\times\,-8} = \frac{n}{-8} \,{}_{\times\,-8}$$

$$8 = n$$

$$\boxed{n = 8}$$

[13]

$$\frac{p}{31.3} \,{}_{\times\,31.3} = 7 \,{}_{\times\,31.3}$$

$$\boxed{p = 219.1}$$

[14]

$$\frac{p}{9.7} \,{}_{\times\,9.7} = 3 \,{}_{\times\,9.7}$$

$$\boxed{p = 29.1}$$

[15]

$$19 \,{}_{\times\,-0.2} = \frac{k}{-0.2} \,{}_{\times\,-0.2}$$

$$-3.74 = k$$

$$\boxed{k = -3.74}$$