<b>Basic One-step Equations.</b> Through your working, show how you are				Date: you are keeping the			Name: http://www.learnersgrid.com				
	d as you so					Round to 1 d.p. if necessary.					
[1]	<u>n</u> 4.2	=	5	[2]	<i>n</i> 11.3	=	3	[3]	<i>n</i> 20.2	=	7
[4]	<u>f</u> 8.9	=	5	[5]	<u>d</u> 14.0	=	4	[6]	<u>f</u> 16.3	=	3
[7]	1	=	<u>f</u> 4.7	[8]	4	=	<u>n</u> 5.3	[9]	8	=	<u>d</u> 5.1
[10]	2	=	<u><i>C</i></u> 12.7	[11]	5	=	<u>d</u> 13.3	[12]	6	=	<u>f</u> 10.1
[13]	<i>n</i> 38.8	=	5	[14]	<i>n</i> 18.5	=	2	[15]	22	=	<u>p</u> 18.3

## **SOLUTIONS** Basic One-step Equations.

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.** 

$$\begin{bmatrix} 1 \end{bmatrix} \quad \frac{n}{4.2}_{\times 4.2} = 5_{\times 4.2} \qquad \begin{bmatrix} 2 \end{bmatrix} \quad \frac{n}{11.3}_{\times 113} = 3_{\times 113} \qquad \begin{bmatrix} 3 \end{bmatrix} \quad \frac{n}{20.2}_{\times 20.2} = 7_{\times 20.2} \\ \hline n = 141.4 \end{bmatrix}$$

$$\begin{bmatrix} 4 \end{bmatrix} \quad \frac{f}{8.9}_{\times 8.9} = 5_{\times 8.9} \qquad \begin{bmatrix} 5 \end{bmatrix} \quad \frac{d}{14.0}_{\times 14} = 4_{\times 14} \qquad \begin{bmatrix} 6 \end{bmatrix} \quad \frac{f}{16.3}_{\times 16.3} = 3_{\times 163} \\ \hline f = 44.5 \qquad \hline d = 56 \qquad \hline f = 48.9 \end{bmatrix}$$

$$\begin{bmatrix} 7 \end{bmatrix} \quad 1_{\times 4.7} = \frac{f}{4.7}_{\times 4.7} \qquad \begin{bmatrix} 8 \end{bmatrix} \qquad 4_{\times 5.3} = \frac{n}{5.3}_{\times 5.3} \qquad \begin{bmatrix} 9 \end{bmatrix} \qquad 8_{\times 5.1} = \frac{d}{5.1}_{\times 5.1} \\ \hline 4.7 = f \qquad \hline f = 44.7 \qquad \hline n = 21.2 \qquad$$

[10] 
$$2_{\times 12.7} = \frac{c}{12.7}_{\times 12.7}$$
 [11]  $5_{\times 13.3} = \frac{d}{13.3}_{\times 13.3}$  [12]  $6_{\times 10.1} = \frac{f}{10.1}_{\times 10.1}$   
25.4 = c  $66.5 = d$   $60.6 = f$   
 $c = 25.4$   $d = 66.5$   $f = 60.6$ 

$$\begin{bmatrix} 13 \end{bmatrix} \quad \frac{n}{38.8}_{\times 38.8} = 5 \quad \begin{bmatrix} 14 \end{bmatrix} \quad \frac{n}{18.5}_{\times 18.5} = 2 \quad \begin{bmatrix} 15 \end{bmatrix} \quad 22_{\times 18.3} = \frac{p}{18.3}_{\times 18.3}$$

$$\boxed{n = 194} \qquad \boxed{n = 37} \qquad 393.45 = p$$

$$\boxed{p = 393.45}$$