

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] $65.9g = 790.8$

[2] $76.8n = 384$

[3] $106.3n = 7249.7$

[4] $393.5 = 78.7w$

[5] $1488.9 = 88.1w$

[6] $6236.7 = 121.1p$

[7] $-29.6c = -236.8$

[8] $-62.8m = -879.2$

[9] $-97.2c = -204.1$

[10] $-467 = -46.7f$

[11] $-1240 = -62w$

[12] $-3305.4 = -113.2c$

[13] $-48.9f = 342.3$

[14] $-74.2n = 1372.7$

[15] $2646.8 = -96.6n$

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.

$$\begin{aligned} \text{[1]} \quad 65.9g &= 790.8 \\ \div 65.9 \quad \div 65.9 \\ g &= 12 \end{aligned}$$

$$\begin{aligned} \text{[2]} \quad 76.8n &= 384 \\ \div 76.8 \quad \div 76.8 \\ n &= 5 \end{aligned}$$

$$\begin{aligned} \text{[3]} \quad 106.3n &= 7249.7 \\ \div 106.3 \quad \div 106.3 \\ n &= 68.2 \end{aligned}$$

$$\begin{aligned} \text{[4]} \quad 393.5 &= 78.7w \\ \div 78.7 \quad \div 78.7 \\ 5 &= w \\ w &= 5 \end{aligned}$$

$$\begin{aligned} \text{[5]} \quad 1488.9 &= 88.1w \\ \div 88.1 \quad \div 88.1 \\ 16.9 &= w \\ w &= 16.9 \end{aligned}$$

$$\begin{aligned} \text{[6]} \quad 6236.7 &= 121.1p \\ \div 121.1 \quad \div 121.1 \\ 51.5 &= p \\ p &= 51.5 \end{aligned}$$

$$\begin{aligned} \text{[7]} \quad -29.6c &= -236.8 \\ \div -29.6 \quad \div -29.6 \\ c &= 8 \end{aligned}$$

$$\begin{aligned} \text{[8]} \quad -62.8m &= -879.2 \\ \div -62.8 \quad \div -62.8 \\ m &= 14 \end{aligned}$$

$$\begin{aligned} \text{[9]} \quad -97.2c &= -204.1 \\ \div -97.2 \quad \div -97.2 \\ c &= 2.1 \end{aligned}$$

$$\begin{aligned} \text{[10]} \quad -467 &= -46.7f \\ \div -46.7 \quad \div -46.7 \\ 10 &= f \\ f &= 10 \end{aligned}$$

$$\begin{aligned} \text{[11]} \quad -1240 &= -62w \\ \div -62 \quad \div -62 \\ 20 &= w \\ w &= 20 \end{aligned}$$

$$\begin{aligned} \text{[12]} \quad -3305.4 &= -113.2c \\ \div -113.2 \quad \div -113.2 \\ 29.2 &= c \\ c &= 29.2 \end{aligned}$$

$$\begin{aligned} \text{[13]} \quad -48.9f &= 342.3 \\ \div -48.9 \quad \div -48.9 \\ f &= -7 \end{aligned}$$

$$\begin{aligned} \text{[14]} \quad -74.2n &= 1372.7 \\ \div -74.2 \quad \div -74.2 \\ n &= -18.5 \end{aligned}$$

$$\begin{aligned} \text{[15]} \quad 2646.8 &= -96.6n \\ \div -96.6 \quad \div -96.6 \\ -27.4 &= n \\ n &= -27.4 \end{aligned}$$