

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] $2.7c = 21.6$

[2] $7.2d = 79.2$

[3] $9.7f = 81.5$

[4] $50.4 = 4.2n$

[5] $27.6 = 8.9g$

[6] $55.9 = 13c$

[7] $-3.6f = -7.2$

[8] $-7.3c = -58.4$

[9] $-9.8w = -85.3$

[10] $-16.2 = -5.4p$

[11] $-136.5 = -9.1f$

[12] $-62.1 = -13.5n$

[13] $-8f = 96$

[14] $-13c = 130$

[15] $187 = -17k$

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.

$$\begin{aligned} \text{[1]} \quad 2.7c &= 21.6 \\ &\div 2.7 \quad \div 2.7 \\ c &= 8 \end{aligned}$$

$$\begin{aligned} \text{[2]} \quad 7.2d &= 79.2 \\ &\div 7.2 \quad \div 7.2 \\ d &= 11 \end{aligned}$$

$$\begin{aligned} \text{[3]} \quad 9.7f &= 81.5 \\ &\div 9.7 \quad \div 9.7 \\ f &= 8.4 \end{aligned}$$

$$\begin{aligned} \text{[4]} \quad 50.4 &= 4.2n \\ &\div 4.2 \quad \div 4.2 \\ 12 &= n \\ n &= 12 \end{aligned}$$

$$\begin{aligned} \text{[5]} \quad 27.6 &= 8.9g \\ &\div 8.9 \quad \div 8.9 \\ 3.1 &= g \\ g &= 3.1 \end{aligned}$$

$$\begin{aligned} \text{[6]} \quad 55.9 &= 13c \\ &\div 13 \quad \div 13 \\ 4.3 &= c \\ c &= 4.3 \end{aligned}$$

$$\begin{aligned} \text{[7]} \quad -3.6f &= -7.2 \\ &\div -3.6 \quad \div -3.6 \\ f &= 2 \end{aligned}$$

$$\begin{aligned} \text{[8]} \quad -7.3c &= -58.4 \\ &\div -7.3 \quad \div -7.3 \\ c &= 8 \end{aligned}$$

$$\begin{aligned} \text{[9]} \quad -9.8w &= -85.3 \\ &\div -9.8 \quad \div -9.8 \\ w &= 8.7 \end{aligned}$$

$$\begin{aligned} \text{[10]} \quad -16.2 &= -5.4p \\ &\div -5.4 \quad \div -5.4 \\ 3 &= p \\ p &= 3 \end{aligned}$$

$$\begin{aligned} \text{[11]} \quad -136.5 &= -9.1f \\ &\div -9.1 \quad \div -9.1 \\ 15 &= f \\ f &= 15 \end{aligned}$$

$$\begin{aligned} \text{[12]} \quad -62.1 &= -13.5n \\ &\div -13.5 \quad \div -13.5 \\ 4.6 &= n \\ n &= 4.6 \end{aligned}$$

$$\begin{aligned} \text{[13]} \quad -8f &= 96 \\ &\div -8 \quad \div -8 \\ f &= -12 \end{aligned}$$

$$\begin{aligned} \text{[14]} \quad -13c &= 130 \\ &\div -13 \quad \div -13 \\ c &= -10 \end{aligned}$$

$$\begin{aligned} \text{[15]} \quad 187 &= -17k \\ &\div -17 \quad \div -17 \\ -11 &= k \\ k &= -11 \end{aligned}$$