

**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]**  $47.8c = 286.8$

**[2]**  $60.7g = 667.7$

**[3]**  $86.6c = 5637.7$

**[4]**  $708 = 59m$

**[5]**  $3062.5 = 72.4h$

**[6]**  $2929.2 = 85.4d$

**[7]**  $-25.5p = -306$

**[8]**  $-60.6y = -848.4$

**[9]**  $-92.3g = -378.4$

**[10]**  $-214.8 = -53.7p$

**[11]**  $-1229.1 = -72.3h$

**[12]**  $-2024.4 = -94.6h$

**[13]**  $-37.7d = 263.9$

**[14]**  $-62.5n = 1950$

**[15]**  $2650.5 = -86.9g$

## 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.

$$\begin{aligned} \text{[1]} \quad 47.8c &= 286.8 \\ \div 47.8 \quad \div 47.8 \\ c &= 6 \end{aligned}$$

$$\begin{aligned} \text{[2]} \quad 60.7g &= 667.7 \\ \div 60.7 \quad \div 60.7 \\ g &= 11 \end{aligned}$$

$$\begin{aligned} \text{[3]} \quad 86.6c &= 5637.7 \\ \div 86.6 \quad \div 86.6 \\ c &= 65.1 \end{aligned}$$

$$\begin{aligned} \text{[4]} \quad 708 &= 59m \\ \div 59 \quad \div 59 \\ 12 &= m \\ m &= 12 \end{aligned}$$

$$\begin{aligned} \text{[5]} \quad 3062.5 &= 72.4h \\ \div 72.4 \quad \div 72.4 \\ 42.3 &= h \\ h &= 42.3 \end{aligned}$$

$$\begin{aligned} \text{[6]} \quad 2929.2 &= 85.4d \\ \div 85.4 \quad \div 85.4 \\ 34.3 &= d \\ d &= 34.3 \end{aligned}$$

$$\begin{aligned} \text{[7]} \quad -25.5p &= -306 \\ \div -25.5 \quad \div -25.5 \\ p &= 12 \end{aligned}$$

$$\begin{aligned} \text{[8]} \quad -60.6y &= -848.4 \\ \div -60.6 \quad \div -60.6 \\ y &= 14 \end{aligned}$$

$$\begin{aligned} \text{[9]} \quad -92.3g &= -378.4 \\ \div -92.3 \quad \div -92.3 \\ g &= 4.1 \end{aligned}$$

$$\begin{aligned} \text{[10]} \quad -214.8 &= -53.7p \\ \div -53.7 \quad \div -53.7 \\ 4 &= p \\ p &= 4 \end{aligned}$$

$$\begin{aligned} \text{[11]} \quad -1229.1 &= -72.3h \\ \div -72.3 \quad \div -72.3 \\ 17 &= h \\ h &= 17 \end{aligned}$$

$$\begin{aligned} \text{[12]} \quad -2024.4 &= -94.6h \\ \div -94.6 \quad \div -94.6 \\ 21.4 &= h \\ h &= 21.4 \end{aligned}$$

$$\begin{aligned} \text{[13]} \quad -37.7d &= 263.9 \\ \div -37.7 \quad \div -37.7 \\ d &= -7 \end{aligned}$$

$$\begin{aligned} \text{[14]} \quad -62.5n &= 1950 \\ \div -62.5 \quad \div -62.5 \\ n &= -31.2 \end{aligned}$$

$$\begin{aligned} \text{[15]} \quad 2650.5 &= -86.9g \\ \div -86.9 \quad \div -86.9 \\ -30.5 &= g \\ g &= -30.5 \end{aligned}$$