

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] $56h = 336$

[2] $67m = 469$

[3] $96m = 5856$

[4] $730 = 73n$

[5] $1886 = 82n$

[6] $3456 = 108f$

[7] $-20c = -180$

[8] $-39k = -156$

[9] $-55p = -220$

[10] $-572 = -52g$

[11] $-684 = -76f$

[12] $-2800 = -112h$

[13] $-40d = 280$

[14] $-53h = 1484$

[15] $1848 = -66h$

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.

$$\begin{aligned} \text{[1]} \quad 56h &= 336 \\ &\div 56 \quad \div 56 \\ h &= 6 \end{aligned}$$

$$\begin{aligned} \text{[2]} \quad 67m &= 469 \\ &\div 67 \quad \div 67 \\ m &= 7 \end{aligned}$$

$$\begin{aligned} \text{[3]} \quad 96m &= 5856 \\ &\div 96 \quad \div 96 \\ m &= 61 \end{aligned}$$

$$\begin{aligned} \text{[4]} \quad 730 &= 73n \\ &\div 73 \quad \div 73 \\ 10 &= n \\ n &= 10 \end{aligned}$$

$$\begin{aligned} \text{[5]} \quad 1886 &= 82n \\ &\div 82 \quad \div 82 \\ 23 &= n \\ n &= 23 \end{aligned}$$

$$\begin{aligned} \text{[6]} \quad 3456 &= 108f \\ &\div 108 \quad \div 108 \\ 32 &= f \\ f &= 32 \end{aligned}$$

$$\begin{aligned} \text{[7]} \quad -20c &= -180 \\ &\div -20 \quad \div -20 \\ c &= 9 \end{aligned}$$

$$\begin{aligned} \text{[8]} \quad -39k &= -156 \\ &\div -39 \quad \div -39 \\ k &= 4 \end{aligned}$$

$$\begin{aligned} \text{[9]} \quad -55p &= -220 \\ &\div -55 \quad \div -55 \\ p &= 4 \end{aligned}$$

$$\begin{aligned} \text{[10]} \quad -572 &= -52g \\ &\div -52 \quad \div -52 \\ 11 &= g \\ g &= 11 \end{aligned}$$

$$\begin{aligned} \text{[11]} \quad -684 &= -76f \\ &\div -76 \quad \div -76 \\ 9 &= f \\ f &= 9 \end{aligned}$$

$$\begin{aligned} \text{[12]} \quad -2800 &= -112h \\ &\div -112 \quad \div -112 \\ 25 &= h \\ h &= 25 \end{aligned}$$

$$\begin{aligned} \text{[13]} \quad -40d &= 280 \\ &\div -40 \quad \div -40 \\ d &= -7 \end{aligned}$$

$$\begin{aligned} \text{[14]} \quad -53h &= 1484 \\ &\div -53 \quad \div -53 \\ h &= -28 \end{aligned}$$

$$\begin{aligned} \text{[15]} \quad 1848 &= -66h \\ &\div -66 \quad \div -66 \\ -28 &= h \\ h &= -28 \end{aligned}$$