

**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]**       $54p = 540$

**[2]**       $65h = 130$

**[3]**       $81n = 5670$

**[4]**       $900 = 75d$

**[5]**       $1700 = 85h$

**[6]**       $4387 = 107d$

**[7]**       $-12k = -24$

**[8]**       $-34h = -238$

**[9]**       $-61h = -610$

**[10]**       $-176 = -44g$

**[11]**       $-603 = -67y$

**[12]**       $-2725 = -109d$

**[13]**       $-32p = 256$

**[14]**       $-46n = 1104$

**[15]**       $1998 = -74g$

# 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.

$$\begin{aligned} \text{[1]} \quad 54p &= 540 \\ &\div 54 \quad \div 54 \\ p &= 10 \end{aligned}$$

$$\begin{aligned} \text{[2]} \quad 65h &= 130 \\ &\div 65 \quad \div 65 \\ h &= 2 \end{aligned}$$

$$\begin{aligned} \text{[3]} \quad 81n &= 5670 \\ &\div 81 \quad \div 81 \\ n &= 70 \end{aligned}$$

$$\begin{aligned} \text{[4]} \quad 900 &= 75d \\ &\div 75 \quad \div 75 \\ 12 &= d \\ d &= 12 \end{aligned}$$

$$\begin{aligned} \text{[5]} \quad 1700 &= 85h \\ &\div 85 \quad \div 85 \\ 20 &= h \\ h &= 20 \end{aligned}$$

$$\begin{aligned} \text{[6]} \quad 4387 &= 107d \\ &\div 107 \quad \div 107 \\ 41 &= d \\ d &= 41 \end{aligned}$$

$$\begin{aligned} \text{[7]} \quad -12k &= -24 \\ &\div -12 \quad \div -12 \\ k &= 2 \end{aligned}$$

$$\begin{aligned} \text{[8]} \quad -34h &= -238 \\ &\div -34 \quad \div -34 \\ h &= 7 \end{aligned}$$

$$\begin{aligned} \text{[9]} \quad -61h &= -610 \\ &\div -61 \quad \div -61 \\ h &= 10 \end{aligned}$$

$$\begin{aligned} \text{[10]} \quad -176 &= -44g \\ &\div -44 \quad \div -44 \\ 4 &= g \\ g &= 4 \end{aligned}$$

$$\begin{aligned} \text{[11]} \quad -603 &= -67y \\ &\div -67 \quad \div -67 \\ 9 &= y \\ y &= 9 \end{aligned}$$

$$\begin{aligned} \text{[12]} \quad -2725 &= -109d \\ &\div -109 \quad \div -109 \\ 25 &= d \\ d &= 25 \end{aligned}$$

$$\begin{aligned} \text{[13]} \quad -32p &= 256 \\ &\div -32 \quad \div -32 \\ p &= -8 \end{aligned}$$

$$\begin{aligned} \text{[14]} \quad -46n &= 1104 \\ &\div -46 \quad \div -46 \\ n &= -24 \end{aligned}$$

$$\begin{aligned} \text{[15]} \quad 1998 &= -74g \\ &\div -74 \quad \div -74 \\ -27 &= g \\ g &= -27 \end{aligned}$$