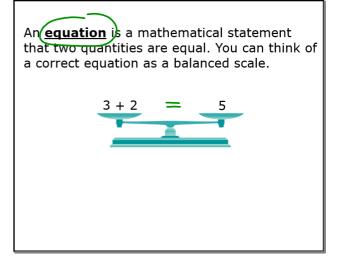
2-4 Equations and Their Solutions

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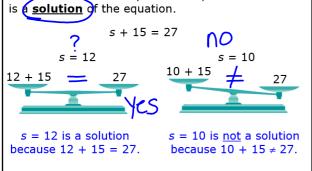
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Equations may contain variables. If a value for a variable makes an equation true, that value

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Determine whether the given value of the variable is a solution. b-447 = 1,203 for b=1,650

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Determine whether the given value of the variable is a solution.

$$\frac{139 \text{ for } u = 73}{73 + 56 \neq 129}$$

$$\frac{139 \text{ for } u = 73}{73 + 56 \neq 129}$$

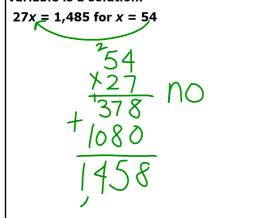
$$\frac{139 \text{ for } u = 73}{73 + 56 \neq 129}$$

Determine whether the given value of the variable is a solution.

 $45 \div g = 3 \text{ for } g = 15$

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Determine whether the given value of the variable is a solution.



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Determine whether the given value of the variable is a solution.

$$s \div 4 = 5$$
, when $s = 24$

$$24 \div 4 \neq 5$$

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Determine whether the given value of the variable is a solution.

$$b \cdot 5 = 20$$
, when $b = 3$
 $3 \cdot 5 \neq 20$
No

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Paulo says that his yard is 19 yards long. Jamie says that Paulo's yard is 664 inches long. Determine if these two measurements are equal.

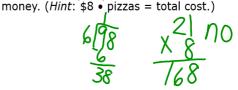
$$\begin{array}{ll}
36 \cdot \text{yd} = \text{in.} & 19 \, \text{yd} = 664 \, \text{in} \\
12 \text{in} = | \text{ft} & \frac{36}{36} \\
3ft = | \text{yd} & \frac{\times 19}{324} \\
10 & \frac{360}{684}
\end{array}$$

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Anna says that the table is 7 feet long. John says that the table is 84 inches long. Determine if these two measurements are equal.

Determine whether the given value of each variable is a solution.

- 1. 85 = 13x for x = 5
- 2. w + 38 = 210 for w = 172 | 72 + 38 = 210
- 3. 8y = 88 for $y = 11.8 \cdot ||=88 \cdot ||72 \cdot ||$



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