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NAME

Module 3 Solving Linear Equations of One Variable

Lesson 2 Solving Equations by Inspection

guided practice

Set 1

1. Solve: $8 + b = 12$

Solution: $b = 4$

Check:

$8 + b = 12$

$8 + 4 = 12$

$12 = 12$ ✔

2. Solve: $70 - w = 40$

Solution: $w = 30$

Check:

$70 - w = 40$

$70 - 30 = 40$

$40 = 40$ ✔

3. Solve: $x - 19 = 8$

Solution: $x = 27$

Check:

$x - 19 = 8$

$27 - 19 = 8$

$8 = 8$ ✔

Set 2

1. Solve: $\frac{24}{k} = 6$

Solution: $k = 4$

Check:

$\frac{24}{k} = 6$

$\frac{24}{4} = 6$

$6 = 6$ ✔

2. Solve: $\frac{n}{12} = 3$

Solution: $n = 36$

Check:

$\frac{n}{12} = 3$

$\frac{36}{12} = 3$

$3 = 3$ ✔

3. Solve: $9y = 27$

Solution: $y = 3$

Check:

$9y = 27$

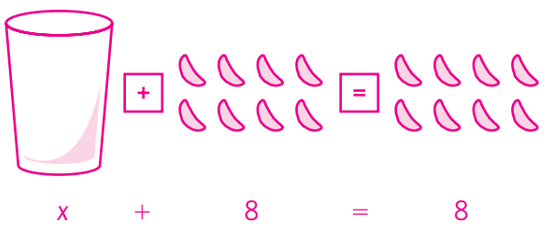
$(9)(3) = 27$

$27 = 27$ ✔

Manipulative Set

Model each equation, solve by inspection, and write the solution.

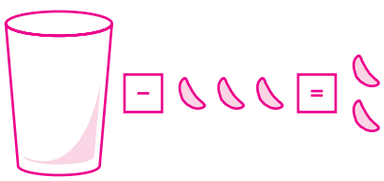
1. $x + 8 = 8$



$x + 8 = 8$

$x = 0$

2. $x - 3 = 2$



$x - 3 = 2$

$x = 5$

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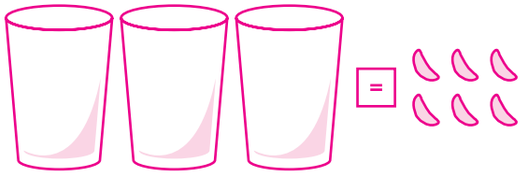
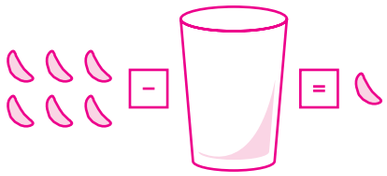
3. $3x = 6$



$3x = 6$

$x = 2$

4. $6 - x = 1$



$6 - x = 1$

$x = 5$

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