Name

Operations and Algebraic Thinking
4.OA.5

CCSS

MY Homework

Lesson 8

Hands On: Equations with Two Operations

Homework Helper

eHelp

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Use the equation $(t \times 3) + 5 = w$ to find w when $t = 4$.

$(t \times 3) + 5 = w$

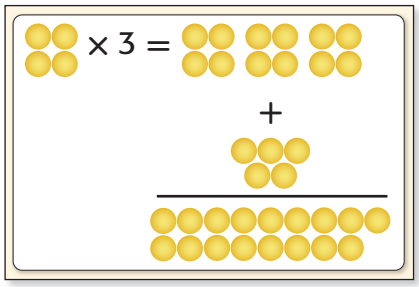
$(4 \times 3) + 5 = w$ $\quad t = 4$

$12 + 5 = w$ $\quad$ Perform the operation inside parentheses.

$17 = w$ $\quad$ Add.

When $t = 4$, $w = 17$.

The counters at the right model this equation.



Practice

Use each equation to find each unknown. Draw models if needed.

1. $(z + 3) \times 2 = y$

When $z = 2$, $y =$ _____.

2. $4 + (g \times 3) = m$

When $g = 3$, $m =$ _____.

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Use each equation to find each unknown. Draw models if needed.

3. $2 + (n \times 7) = p$

When $n = 1$, $p =$ _____.

4. $(r \times 2) + 6 = v$

When $r = 4$, $v =$ _____.

5. $6 + (a \times 3) = b$

When $a = 5$, $b =$ _____.

6. $(j \div 4) + 8 = k$

When $j = 16$, $k =$ _____.

Real World Problem Solving

7. Set up an equation machine to show $(x + 2) \times 5 = y$. Find the values of y when $x = 5$, $x = 8$, and $x = 12$.

When $x = 5$, $y =$ _____.

When $x = 8$, $y =$ _____.

When $x = 12$, $y =$ _____.

8. Mathematical PRACTICE 2 **Understand Symbols** Bryan made up a game. Each team starts with seven points. Each time a team answers a question correctly, they earn five points. The equation used to find the total number of points is $7 + (5 \times q) = t$. Find the total number of points (t) when a team answers six questions (q) correctly.

_____

My Work!

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