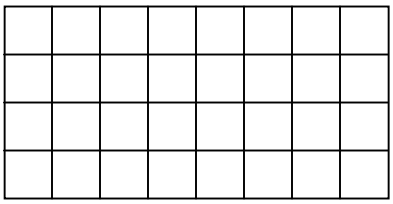
Date _____

Warm-Up

3rd Grade CST #48	**Review:**
Mr. Guzman bought 48 doughnuts packed equally into 4 boxes. Which number sentence shows how to find the number of doughnuts in each box? A $48 - 4 = \square$ B $48 \div 4 = \square$ C $48 + 4 = \square$ D $48 \times 4 = \square$	Which number makes this sentence true? $7 + \square = 10$
Current:	**Other:**
If $7 \times 11 \times 13 = 1001$, then what is $11 \times 7 \times 13$? A 77 B 91 C 143 D 1001	The figure below is a model for the multiplication sentence. $8 \times 4 = 32$  Which division sentence is modeled by the same figure? A $8 \div 4 = 2$ B $12 \div 4 = 3$ C $24 \div 8 = 3$ D $32 \div 8 = 4$

Today's Objective/Standards:3NS2.3*, 3NS2.6, 3NS2.8, 3AF1.2, 3AF1.5

Topic: Solving One-Step Equations w/ Algebra Tiles **Date:**_____

Text Chapter/Section:_____

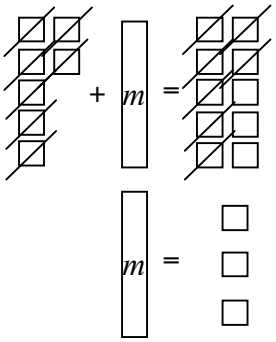
Warm-up:

Choose students to debrief on white board or overheads to share with the class.

Review Homework Notes:

Lesson:

Ex1) $7 + m = 10$

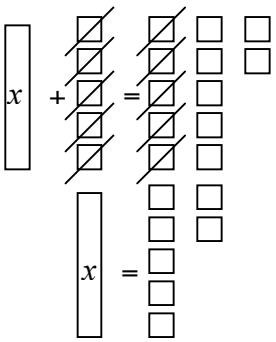


"If I take 7 off one side, what do I need to take off the other side to keep the equation balanced?" [7]
"So what does *m* equal?" [3]

$\therefore m = 3$

You-try: (Think/Pair/Share)

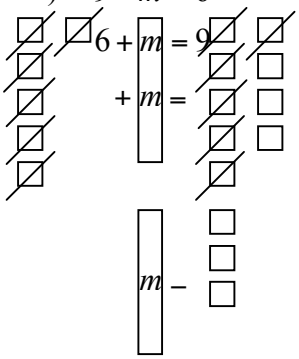
1) $x + 5 = 12$



Note: Ask the same questions during the debrief and expect choral response.

$\therefore x = 7$

Ex2) $9 - m = 6$

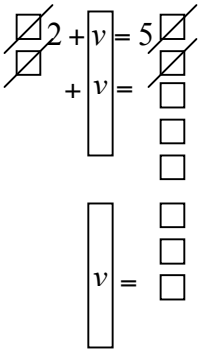


Note: Continue to ask the same questions and expect choral response.

$\therefore m = 3$

You-try: (Think/Pair/Share)

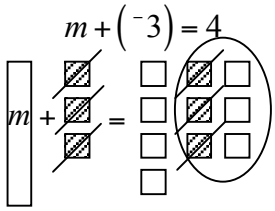
2) $5 - v = 2$

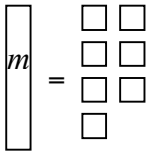


$\therefore v = 3$

Ex3) $m - 3 = 4$ or $m - 3 = 4$

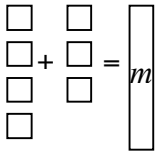
$m + (^{-}3) = 4$





$\therefore m = 7$

$4 + 3 = m$

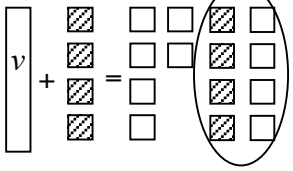


$\therefore m = 7$

You-try: (Think/Pair/Share)

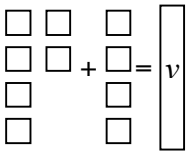
3) $v - 4 = 6$ or $v - 4 = 6$

$v + (^{-}4) = 6$



$\therefore v = 10$

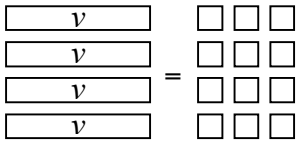
$6 + 4 = v$



$\therefore v = 10$

Lesson continued:

Ex 4) $4v = 12$

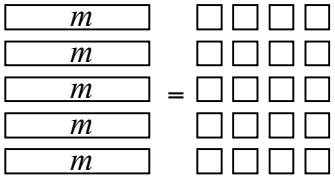


$\therefore v = 3$

"If four v's equals 12, then what does one v equal?" [3]

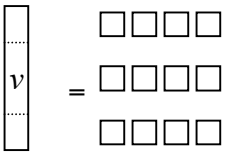
You-try: (Think/Pair/Share)

4) $5m = 20$



$\therefore m = 4$

Ex 5) $v \div 3 = 4$

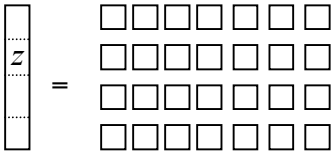


$\therefore v = 12$

"If one third of v equals 3, then what does one whole v equal?" [12]

You-try: (Think/Pair/Share)

5) $z \div 4 = 7$



$\therefore z = 28$

Additional Practice Problems:

1) $12 - m = 5$ 2) $6 + n = 11$ 3) $n - 9 = 13$ 4) $c + 15 = 17$

5) $4x = 8$ 6) $14 \div s = 2$ 7) $y \times 5 = 15$ 8) $t \div 3 = 8$

Homework: