Date \_\_\_\_\_

Warm-Up

Grade 4 <sup>th</sup> CST # 47	Review:
Which number is represented by <i>n</i> ?	Prime factor 20 three different ways.
$8 \times n = 128$	
A 13	
B 14	
C 16	
D 19	
Current:	Other:
What number goes in the box to make this number sentence true?	35 + 6 = 35 +
54 + = 71	
	1

# Today's Objective/Standards: 4AF1.1, 4AF1.5\*

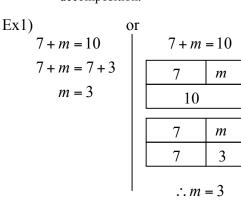
Topic: Solving One-Step Equations Using Bar Models	Date:	_
Text Chapter/Section:		

Warm-up:

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

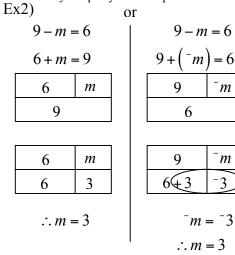
**Review Homework Notes:** 

#### Note: Lesson: Relate the Bar Model method to decomposition.



<u>You-try</u> 1)	<u>v: (Think/</u>	Pair/S	hare)
	x + 5 =	12	
	x	5	
	12		
		5	
	<i>x</i>	.)	
	7	5	
	∴ <i>x</i> =	7	

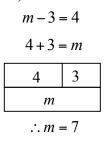
Note: Point out the zero pairs and refer to the Identity Property of Multiplication.

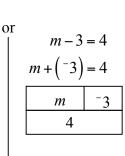


You-try	: (	Think/Pair/Share)	)
•		· /	

<u>rou uj. (riminaru</u>			
$(2)_{16-m=11}$	or 16 11		
16 - m = 11	16 - m = 11		
11 + m = 16	16 + (-m) = 11		
11 <i>m</i>	16 <sup>-</sup> <i>m</i>		
16	11		
11 <i>m</i>	16 <sup>-</sup> <i>m</i>		
11 5	11+5 -5		
$\therefore m = 5$	$^{-}m = ^{-}5$		
	$\therefore m = 5$		

Ex3)

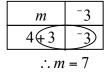




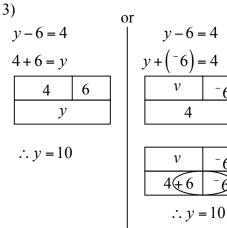
 $\overline{m}$ 

 $\overline{m}$ 

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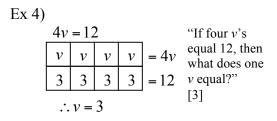






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## Lesson continued:



You-try: (Think/Pair/Share)						
4)						
	5 <i>n</i>	<i>n</i> = 2	20			
	т	т	т	т	т	= 5 <i>m</i>
	4	4	4	4	4	= 20

 $\therefore m = 4$ 

Ex 5)  $t \div 3 = 4$  t

#### You-try: (Think/Pair/Share)

5)	$z \div$	4 = 7		
		2	Z	
[	7	7	7	7



#### **Additional Practice Problems:**

	1) $12 - m = 5$	2) $6 + n = 11$	3) $n - 9 = 13$	4) $c + 15 = 17$
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5) $4x = 8$	6) $14 \div s = 2$	7) $y \times 5 = 15$	8) $t \div 3 = 8$
J = 0	$0) 1 + \cdot 5 - 2$	$() y^{-15} = 15$	$0) i \cdot 3 = 0$

### Homework: