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Warm-Up

5 th Grade CST #14	Review:
Which of the following shows the number 60 factored into prime numbers?	224 = 204
A 2×30	
B 3×20	
C 2×3×10	
D 2×2×3×5	
Current:	Other:
Lisa did this division problem. $12 \div 4 = 3$	What value of p makes this equation true? $44 \times 73 = 44 \times (p+3)$
Which expression would she use to check her work?	
A 12÷3	
B 12÷4	
C 3×4	
D 3+4	

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

Topic: <u>Solving One-Step Equations Using Decomposition</u>	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) or

$$7 + m = 10$$

 $\mathcal{X} + m = \mathcal{X} + 3$
 $m = 3$
or
 $m = 3$
or
 $\mathcal{X} + m = 10$
 $\mathcal{$

"If I add 7 then take it away, have I changed the value of 10?" [No] "If I add zero to 10 have I changed it ?" [No] You-try: (Think/Pair/Share)1)orx + 5 = 12x + 5 = 12 $x + \mathscr{S} = 7 + \mathscr{S}$ $x + \mathscr{S} = 12 + \mathscr{S} - 5$ x = 7x = 12 - 5x = 7

Ex2) or
$$9-m=6$$

 $9-m=6$ $9-m=6$ $9-m=6$ $0 + m = 9$ $0 + m = 6 + 3 = m$ $0 + m = 3$ $0 +$

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

 $y-6=10-6$
 $y=10$
 $y=10$
 $y-6=4$
 $y-6=4-6+6$
 $y=4-6$
 $y=10$

Ex3)

$$m-3=4$$

 $m-\mathcal{Z}=7-\mathcal{Z}$
 $m=7$
or
 $m-3=4$
 $m-\mathcal{Z}=4-\mathcal{Z}+3$
 $m=4+3$
 $m=7$

Lesson continued:

Ex 4) or

$$4y = 12 \qquad 4y = 12$$

$$4y = 4 \times 3 \qquad 2 \times 2y = 2 \times 2 \times 3$$

$$y = 3 \qquad y = 3$$

You-try: (Think/Pair/Share)

Ex 5) 0	or	5) 0	r	
$y \div 3 = 4$	$y \div 3 = 4$	$z \div 4 = 7$	$z \div 4 = 7$	
$y \div \mathscr{S} = 12 \div \mathscr{S}$	$4 \times 3 = y$	$z \div \mathcal{A} = 28 \div \mathcal{A}$	$7 \times 4 = z$	
<i>y</i> = 12	12 = <i>y</i>	<i>z</i> = 28	28 = <i>z</i>	

Additional Practice Problems:

1) $12 - m$	y = 5	2) $6 + n = 11$	3) $n-9=13$	4) $c+15=17$
1) 12 - m	a = J	2) 0 + n - 11	3) n - 7 - 13	+) c + 13 - 17

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

Homework: