Name: _____ Date: _____

NVACS: Operations and Algebraic Thinking

3.OA.A.5 Apply properties of operations as strategies to multiply and divide: commutative, associative, and distributive properties.

Practice for Third Grade

Connect the boxes that are equal by drawing a line.

4 x 6	(7x2) + (7x2)
6 x 5	3 x 12
12 x 3	6 x 4
7 x 4	(6x2) + (6x3)

In each box, write the missing number that makes the sentence true.

3 x 5 = (3 x 3) + (3 x ___)	(7 x ___) + (7 x 2) = 7 X 6
35 = 7 x (3 + ___)	4 x (8 + 2) = 4 x ____

Terrence wrote the following sentence. Is it true? Why or why not?

16 = (4 x 1) + (12 X 0)

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Practice for Third Grade

Cassidy knows 4 x 5 but she does not know 4 x 7. How could she use her understanding of 4 x 5 to help her find the answer to 4 x 7?

Rowan knows that 6 x 7 = 42 but he doesn't know the product for 6 x 9. How can he use 6 x 7 to help him find the product for 6 x 9?

Caitlyn and Quin decided to use what they knew about 5 x 7 to help them answer 5 x 12. How did they use their understanding of 5 x 7 to help them answer 5 x 12?