Name

Operations and Algebraic Thinking 3.0A.1, 3.0A.3, 3.0A.5, 3.0A.8

Lesson 4

Arrays and Multiplication

Homework Helper

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The pumpkins in a patch are arranged in rows with an equal number in each row. How many pumpkins are in the patch?

MY Homework

Write an addition sentence and a multiplication sentence to show equal rows.

6 + 6 + 6 = 18 $3 \times 6 = 18$



The Commutative Property of Multiplication allows you to change the order of the factors to write another multiplication sentence, $6 \times 3 = 18$.

There are 18 pumpkins in the pumpkin patch.

Practice

Write an addition sentence and a multiplication sentence to show equal rows.





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Use the Commutative Property of Multiplication to find each missing number.

3. 3 × 2 = 6	2 × 3 = 6	4. 6 × 4 = 24	4 × <u>6</u> = 24
5. 8 × 6 = 48	6 × 8 = 48	6. 5 × 2 = 10	2 × 5 = 10



Draw an array to solve. Then write two multiplication sentences.



10. Which pair of number sentences represents the Commutative Property of Multiplication?

A	$3 \times 6 = 18; 2 \times 9 = 18$	© 4 × 5 = 20; 8 × 5 = 40
B	6 × 7 = 42; 7 × 6 = 42	