




 Name: \_\_\_\_\_

# Math Lab #1—Properties of Multiplication



 Group together linking cubes to create 4 groups of 6 and write the multiplication equation. Draw a representation of your groups next to the multiplication equation.


 Take apart the cubes and group them together to show 6 groups of 4 and write the new multiplication sentence. Draw a representation of your groups next to the multiplication equation.

 Why is the product of both multiplication sentences the same? \_\_\_\_\_


\_\_\_\_\_  
\_\_\_\_\_


 Name: \_\_\_\_\_

# Math Lab #1—Properties of Multiplication

 Group together linking cubes to create \_\_\_ groups of \_\_\_ and write the multiplication equation. Draw a representation of your groups next to the multiplication equation.



 Take apart the cubes and group them together to show \_\_\_ groups of \_\_\_ and write the new multiplication sentence. Draw a representation of your groups next to the multiplication equation.


 Why is the product of both multiplication sentences the same? \_\_\_\_\_

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# Math Lab #1—Properties of Multiplication

 Group together linking cubes to create \_\_\_ groups of \_\_\_ and write the multiplication equation. Draw a representation of your groups next to the multiplication equation.



 Take apart the cubes and group them together to show \_\_\_ groups of \_\_\_ and write the new multiplication sentence. Draw a representation of your groups next to the multiplication equation.

# Math Lab #1—Properties of Multiplication

**Materials:** linking cubes or similar manipulative

**Goal:** Students represent the commutative property of multiplication using linking cubes. Students also explain the property with words and equations.

**Procedure 1 Example:** Students group together linking cubes to create 4 groups of 6 and write the multiplication equation. Students then take apart the cubes and group them together to show 6 groups of 4 and write the multiplication sentence. Students then explain why the product is the same using the correct vocabulary words.

Students can then create their own equations to demonstrate the commutative property.