

# Student Link

## Lesson Activity for Grade 4 (Mathematics : Geometry)

PAGE

A

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

**INSTRUCTIONS**

1. In Student Link, click on the grade four door.



2. Next, click on



Mathematics

3. Under the heading Patterning and Algebra, click on



Math Dictionary

**A.** Use the dictionary to read, look at pictures and learn the following terms. Write down the definitions and draw a picture to help demonstrate the idea.


1. Transformation

2. Reflection

3. Translation

4. Rotation

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**B.** Click back to the Mathematics screen in Student Link. Under the heading of Geometry click on  [Congruency](#) . Read and fill in the blanks below.

1. The term congruent means that \_\_\_\_\_ or more \_\_\_\_\_ are the exact \_\_\_\_\_ and \_\_\_\_\_.

2. Draw two shapes that are congruent.

**C.** Click back to the Mathematics screen in Student Link. Under the heading of Patterning and Algebra click on  [Tessellations](#) . Read and fill in the blanks below.

1. Tessellations are a way to \_\_\_\_\_ a floor (that goes on \_\_\_\_\_) with shapes so that there are no \_\_\_\_\_ and no \_\_\_\_\_.

2. Write down the three rules for Regular Tessellations.  
Rule #1


Rule #2

Rule #3

What shape does not work in a regular tessellation?

What is a Semi-Regular Tessellation?

Draw an example of a Semi-Regular Tessellation

**D.** Click back to the Mathematics screen in Student Link. Under the heading of Patterning and Algebra click on  [Pattern Blocks](#) . Use the pattern block to create a tessellation! What transformations can you identify in your design?