Practice 1  Identifying Tessellations

In each tessellation, color the repeated shape.

Example

1. 

2. 

3. 
Is each pattern a tessellation of a single repeated shape? Write yes or no. Explain your answer.

Example

Yes. It is made up of a single repeated shape. The repeated shapes do not have gaps between them and they do not overlap.

4.

5.

6.
Add eight more of the repeated shapes to each tessellation.

7.

8.
Use each shape to make a tessellation in the space provided.

9.

10.
Use each shape to make a tessellation in the space provided.

11. Tessellate this shape by rotating it.

12. Tessellate this shape by flipping it.
Use the shape to make a tessellation in the space provided.

13. Tessellate this shape by rotating or flipping and sliding it.
Practice 2  More Tessellations

Add eight more of the repeated shapes to each tessellation.

1.  Tessellation 1

2.  Tessellation 2
Use the shape to make two different tessellations in the space provided on this page and the next.

3. Tessellation 1
Use the shape to make two different tessellations in the space provided on this page and the previous page.

4. Tessellation 2
**Form a shape and use it to make a tessellation.**

5. From the square on the left, the shaded part is cut out and attached to the opposite side to form the shape on the right.

The new shape formed is shown in the dot grid below. Use this shape to make a tessellation in the space provided.
Put On Your Thinking Cap!

Challenging Practice

1. From the given triangle, make another shape that can also tessellate. Cut off a part of the triangle and attach it to a different side. Tessellate your shape in the space provided.

```
shape A

shape B
```

Name: ________________________  Date: ________________________

2. From the square on the left, the shaded part is cut out to form the shape shown on the right.

   From the square on the left, the shaded part is cut out to form the shape shown on the right.

   Use the grid below to find out if this shape tessellates. Then fill in the blank with can or cannot.

   Use the grid below to find out if this shape tessellates. Then fill in the blank with can or cannot.

   The shape [shape] _______ tessellate.

3. Each of these shapes is formed by attaching the part that was cut out from the square above to a different side of the square.

   Each of these shapes is formed by attaching the part that was cut out from the square above to a different side of the square.

   shape A

   shape B
Use the grid below to find out if the shapes tessellate. Then fill in the blanks with *can* or *cannot*.

*a.*

The shape ________ tessellate.

*b.*

The shape ________ tessellate.
Use the shape to make two different tessellations in the spaces provided.

4. Tessellation 1

5. Tessellation 2