NAME

Module 11Transformation of ShapesLesson 5Tessellations



Lesson Objectives

- Analyze geometric patterns (e.g., tessellations, sequences of shapes) and develop descriptions of the patterns.
- Use tessellations and fractals to create geometric patterns.



Geometric Patterns

- _____ the pattern.
- Write a _____ or describe the pattern.
- Use the rule to find the ______.





What is the 31st term in this sequence?



3

The diagram shows the first five stages as a pentagonal figure is rolled along a flat surface. Draw the figure in the 38^{th} stage.



NAME

Module 11Transformation of ShapesLesson 5Tessellations

Create a tessellation:

- Begin with a polygon that tessellates.
- Draw new edge for one side.
- Copy edge to ______ side.
- Repeat for other pair of sides.
- _____ to tessellate.



Tell whether each tessellation is regular, semi-regular, or neither.









Use the triangle to make a tessellation.





Use the set of regular polygons to make a semi-regular tessellation.



Use the quadrilateral to create a tessellation.

