

# Fourth Grade

## Math Learning Progression

**Vocabulary:** perimeter, area, inches, feet, centimeters, meters, yards, units, square units, triangle, square, rectangle, polygon

Explain and apply geometry and measurement vocabulary associated with the calculation of Perimeter and Area

"I can define and explain the terms perimeter and area as they apply to basic geometric polygons like triangle, square, rectangle, and which measurement units to use."

**Formative Assessments:**  
Two dimensional Shapes  
Pictures  
Drawings  
Real-life examples  
Rulers, measuring tools

Demonstrate and explain the concept of Perimeter and how to calculate it from geometric shapes

"I can demonstrate and explain what perimeter means and how to calculate the perimeter of a geometric shape."

**Formative Assessments:**  
Two dimensional Shapes  
Pictures  
Geoboards  
Drawings  
Real-life examples  
Rulers, measuring tools

Demonstrate and explain the concept of Area and how to calculate it for a rectangle

"I can demonstrate and explain what area means and how to calculate the area of a rectangle." (L x W)

**Formative Assessments:**  
Color Tiles  
Pictures  
Geoboards  
Drawings  
Real-life examples  
Rulers, measuring tools

Compare, demonstrate and explain that rectangles with the same perimeter measurement can have different areas

"I can demonstrate and explain how multiple geometric figures can have the same perimeter measurements, but have different areas by using the formula of L x W."

**Formative Assessments:**  
2-D Geometric models (squares & rectangles)  
Color tiles  
Geoboards  
Pictures  
Drawings  
Real-life examples

Compare, demonstrate and explain that rectangles with the same area measurement can have different perimeters

"I can demonstrate and explain how multiple geometric figures can have the same area measurement but have different perimeter measurements."

**Formative Assessments:**  
2-D Geometric models (squares & rectangles)  
Color tiles  
Geoboards  
Pictures  
Drawings  
Real-life examples

**4.3.E**  
Demonstrate that rectangles with the same area can have different perimeters, and that rectangles with the same perimeter can have different areas. (CCSSM 3.MD.8)