

Area & Perimeter
Grade Level: 4
Subject: Math

Standards:

- Standard 1 – Number Sense, Properties, and Operations
- Standard 4 – Shape, Dimension, and Geometric Relationships

Objectives:

- Students will formulate, represent, and use algorithms to compute with flexibility, accuracy, and efficiency.
- Students will use appropriate measurement tools, units, and systems to measure different attributes of objects.

Direct Instruction:

- Teacher will read *Spaghetti and Meatballs for All!*
- Teacher will lead discussion of perimeter and area based off of book along with discussion of Mrs. Comfort's garden of tomatoes, cucumbers, and lettuce.

Guided Practice:

- Teacher will model the formula for area and perimeter.
- Class will measure existing school garden.

Independent Practice:

- Students will work in pairs formulating perimeter and area for a future garden and plots for tomatoes, cucumbers, and lettuce.

Assessment and Follow-up

- Students will independently formulate perimeter and area for larger community garden.

Required Materials and Equipment:

- Book *Spaghetti and Meatballs for All!*
- Measurement tools such as tape measure, yard sticks, meter sticks, etc.