Area and Perimeter

CCSS 3.MD.5, 3.MD.8

MATERIALS:

-Cotton balls
-Links
-Cotton Ball Activity Sheet

Using **cotton balls** to represent area and **links** to represent perimeter, students will get experience in differentiating area and perimeter.

? What is area? *The measurement of the space inside a closed figure.*

Show the students a few examples of how to create link perimeters and cotton ball areas. Link 20 links, create a perimeter shape, and then fill the figure with cotton balls. Label your example.

Example: Perimeter = 20 links and Area = 16 cotton balls.

Helpful Hint: Have students remove cotton balls from the area one at a time to prevent double counting.

Pass out the following supplies to each student: **Cotton Ball Activity sheet**, **20 links** and **20 cotton balls**.

Have the students connect their links to create a figure according to the sheet and then fill figure with cotton balls. Record some of their results on the board.

? Does everyone get the same area measurement?

? What perimeter shapes created the biggest/smallest area?

? Can we use a different object for figuring out area?

Cotton Ball Activity

Perimeter	Area
10 Links	___Cotton balls
16 Links	___Cotton balls
8 Links	___Cotton balls
12 Links	___Cotton balls

COTTON BALL ACTIVITY

PERIMETER	AREA
8 LINKS	_____COTTON BALLS
10 LINKS	_____COTTON BALLS
12 LINKS	_____COTTON BALLS
16 LINKS	_____COTTON BALLS