

## 6<sup>th</sup> Grade Geometry Domain

- Read Standard 1
- Pair share or group- discuss what is intended by the standard. What types of tasks would support the standard?
- Read Standard 3.
- Pair share or group- discuss what is intended by the standard. What types of tasks would support the standard?

### Materials

- 10 by 10 grids per person
- pencils
- rulers
- slates/markers/erasers or chart paper/markers per group
- statement of task sheet

### Enclosure Activity

Little Bo Peep has attended assertiveness training. She plans to fence her pasture for her sheep. She created a sketch on a coordinate plane to model her task, so that each unit represents 1 meter.

She will place fence posts at the vertices.

Plot these vertex points and draw the polygonal enclosure.

$(-6, 8)$ ,  $(0, 8)$ ,  $(10, 6)$ ,  $(10, -4)$ ,  $(-6, -4)$

Determine the area of Bo Peep's enclosure. Explain your reasoning.

- Display & explain your solution on the chart paper. Include your sketch. Pair share or group- discuss what is intended by the standard. What types of tasks would support the standard?

### Debrief

Use group presentations or a gallery walk to share solutions. Emphasize the multiple solution strategies.

Revisit the geometry 6<sup>th</sup> grade standards addressed to confirm that they are addressed.

Ask participants which Standards for Mathematical Practice came into play.