

## Organize Polygons on a Venn Diagram

### What You Need

- Recording Sheet



### Check Understanding

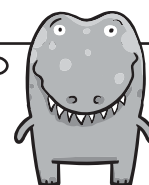
Is every property of a trapezoid also a property of a parallelogram, rectangle, rhombus, and square? Explain your answer.

### What You Do

1. Take turns. Choose one of the polygons on the **Recording Sheet**.
2. Point to the *most specific* placement of the figure on the Venn diagram. Explain your reasoning.
3. If your partner agrees, write the number of the polygon in the correct location in the Venn diagram.
4. Repeat until all eight shapes have been placed in the Venn diagram.

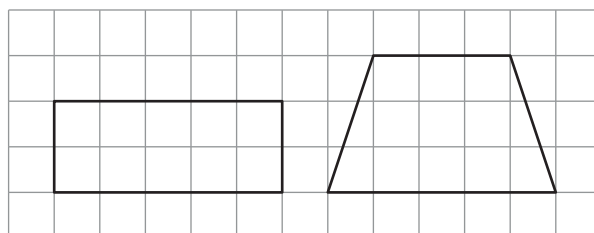
*A Venn diagram shows how properties are shared.*

- *A category inside another category has all the properties of that category plus some other properties.*
- *Categories that overlap have the properties of both categories plus one or more other properties.*



### Go Further!

Work with your partner. You choose one polygon below and write all the terms that can be used to name it. Your partner writes all properties for that polygon. Check each other's work. Then reverse roles and do the same with the second polygon.



# Organize Polygons on a Venn Diagram

