|  |
| --- |
| **Exploring Symmetry and Congruence** |
| Verifies symmetry of two shapes by reflecting or rotating one shape onto another.A red triangle shapes on a white background  Description automatically generated“I reflected one trapezoid in a vertical line of reflection so that it mapped onto the other trapezoid exactly. So, the two shapes are symmetrical.” | Describes the symmetry between two shapes as reflection symmetry or rotation symmetry, or a combination of two transformations.A black rectangles with a white background  Description automatically generated“These two symmetrical shapes are related by a combination of transformations. I could reflect the shape on the left in a vertical line, then rotate the image counterclockwise until it has the same orientation as the other shape.” | Demonstrates congruence between two shapes in any orientation by superimposing.“The two shapes are congruent even though they have different orientations. I traced Shape B and placed the tracing on Shape D and they matched exactly. They have the same size and shape.” | Understands that shapes related by symmetry are congruent to each other.**A black and white image of a hexagon  Description automatically generated**“These two shapes are related by rotation symmetry. I can map one shape onto the other through rotation so that they match exactly. This means the shapes are congruent as they have the same size and shape.” |
| **Observations/Documentation** |
|  |  |   |  |