

# Activity 1 Assessment

## Exploring Congruence and Symmetry

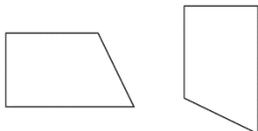
### Exploring Symmetry and Congruence

Verifies symmetry of two shapes by reflecting or rotating one shape onto another.



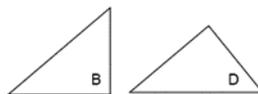
"I reflected one trapezoid in a vertical line of reflection so that it mapped onto the other trapezoid exactly. So, the two shapes are symmetrical."

Describes the symmetry between two shapes as reflection symmetry or rotation symmetry, or a combination of two transformations.



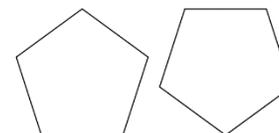
"These two symmetrical shapes are related by a combination of transformations. I could reflect the shape on the left in a vertical line, then rotate the image counterclockwise until it has the same orientation as the other shape."

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.



"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