Congruence through Transformations

Today's Standard

8.G.A2 - Understand that a two-dimensional figure is congruent to another if the second can be obtained from the first by a sequence of rotations, reflections, and translations; given two congruent figures, describe a sequence that exhibits the congruence between them.

Cues	Notes
Congruence	Congruence means two figures are identical in shape and size.
Rotations	Rotations involve turning a figure around a point.
Reflections	Reflections involve flipping a figure over a line.
Translations	Translations involve sliding a figure without rotating or flipping it.
Sequence of Transformations	A sequence of transformations can show how one figure is congruent to another.

Summary

Congruent figures can be obtained through rotations, reflections, and translations. Understanding these transformations is key to mastering congruence in geometry.