TEACHER PAGE
Lesson: Congruency Basics
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New Arizona Math Strand 4 Geometry and Measurement   **Grade 4**
Articulated 4M41-06 Identify congruent geometric shapes
Old Arizona Math Standard 4 Geometry   **Grades 4-8**
4ME2-PO6 Distinguish shapes that are congruent.

Learning objectives: Students will be able to:
•identify shapes that are congruent
•Identify the mathematical symbol meaning congruent
•explain two styles of checking for congruency: slide and turn, slide and flip

Overview and Content:
Students learn that congruency means 2 objects that are the same size and shape. They are given the mathematical symbol for congruency. There is an example of an object that slides and fits over another object, exactly. Students are given examples of objects that slide and turn to be congruent, or slide and flip. This could be thought of as preparation for the concept of transformations. They are given an interactive ruler to make sure of congruency and a protractor to use. Using protractors is actually a grade six performance objective. Perhaps this part of the lesson could be thought of or used as a preparatory exercise for grade six.

Engaging Students:
Show pairs of objects that are congruent. Show them in the same positions but apart. Then show pairs with one in different positions relative to the other. Objects that are the same size and shape—what name do we give them? How can we tell if objects are exactly the same size and shape? Name at least two ways to prove this.

Follow-up:
The SO WHAT has a list of important congruent objects to know about and think about. DIG DEEPER suggests taking a walk and making your own list of congruent objects. TALK ABOUT IT is an exercise in drawing congruent shapes.

Assessment:
Students must select the correct congruent shape called for.