



TEACHER PAGE
Lesson: Similar Situations
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New Arizona Math Strand 4 Geometry and Measurement

Grades 3-6

Articulated:

4M31-04 Recognize similar shapes.

4M41-07 Identify similar shapes,

4M51-12 Draw two similar geometric figures.

4M61-02 Draw a geometric figure showing specified properties, such as parallelism and perpendicularity.

Learning objectives: The student will be able to:

- identify parallel, perpendicular, and similar shapes
- draw and label similar shapes or figures, parallel and perpendicular lines
- explain the selection of similar shapes, parallel and perpendicular lines

Overview and Content

It's important to know how lines and shapes are used in the world. Similar is defined and described. Parallel and perpendicular lines are defined and described, including the terms right angle and intersect. Exercises help students practice these concepts.

Engage students

Play a game with two groups of students: "Tell me what this picture could represent, similar, parallel, or perpendicular." Team 2 must tell us why it is similar, parallel or perpendicular. Class eventually writes the rule for similar, parallel, and perpendicular, thus defining the words.

Follow-up/extensions:

SO WHAT gives fundamental examples of geometric terms being important in games, architecture, reading and writing. DIG DEEPER: What would our cities look like if architects did not know parallel and perpendicular? TALK ABOUT IT has students prepare lists of parallel and perpendicular objects on a picture of a house (and check the list with a partner).

Assessment:

Students will correctly draw, and select all manner of examples of similar, parallel and perpendicular.

