



TEACHER PAGE

Lesson: Classify Pyramids

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New Arizona Math Strand 4 Geometry and Measurement Grades 6-7

Articulated 4M61-03 Classify prisms, pyramids, cones, and cylinders by base shape and lateral surface shape; **4M61-04** Classify three-dimensional figures by their attributes; **4M71-02** Classify three-dimensional solids by their configuration and properties.

Old Arizona Math Standard 4 Geometry Proficiency 1 Grade: 9-12

4MP1-PO2 Classify prisms, pyramids, cones, cylinders and spheres by base shape and lateral surface shape.

See teacher note.

Learning objectives: the student will be able to:

- distinguish a pyramid from other three-dimensional figures
- identify attributes of a pyramid
- classify pyramids by base shape
- recognize the net of a pyramid

Overview:

The student is shown pyramids having different bases; the pyramids are animated to show their nets. The student is given an opportunity to respond to multiple-choice and completion questions to verify his understanding.

Classroom Management:

This can be used in large group lessons, small group, or individual assignments. Each student will move through the lesson at differing speeds.

Engaging Students:

Provide a variety of different types of pyramids for students to see, touch and hold. These models may be purchased geometric models and/or they may be real-life examples (e.g., dice, game pieces, toys, etc.) Use a one-dollar bill for discussion??

Follow-up:

SO WHAT, DIG DEEPER and TALK ABOUT IT SECTIONS afford opportunities for follow-up and extensions. Take a virtual tour inside an ancient Egyptian pyramid in the DIG DEEPER section.

Teacher Note:

This performance objective was originally in the high school standards but has now been moved to grades 6 and 7. It might also be appropriate for less able high school students.

Assessment:

Multiple-choice questions must be correctly responded to in order to finish the lesson.

