



Name: _____

Class: _____ Date: _____

Create a Puzzle: Impossible Triangles

An activity of "Modern pyramids in the United States".

Read the article, "Modern pyramids in the United States" (page 16, *What's Up* January 2026). From the article, we learn that pyramids may be ancient, but they are still used in modern buildings today. In this activity, enjoy exploring pyramid shapes — create a puzzle by combining realistic pyramid shapes with impossible triangles that challenge how we see.

1. Referring to the article, complete the table below:

Pyramid from the article	Where is it found?	What is it used for?
Ancient pyramid		
Modern pyramid	United States (various states)	
Entertainment pyramid	Memphis, Tennessee, USA	
Office / work pyramid		Used as an office building for designers and researchers, with open spaces to encourage teamwork; it later became a data centre.
Spiritual Pyramid	United States (e.g. California, New Mexico)	

2. Follow the steps in this video to draw two 3D pyramids.

3D Pyramid Drawing

➤ <https://youtu.be/-Yjpe8yN8SI?si=RLgRbVHUFEBhsPf>

(QWE Art, 24 Nov 2021)

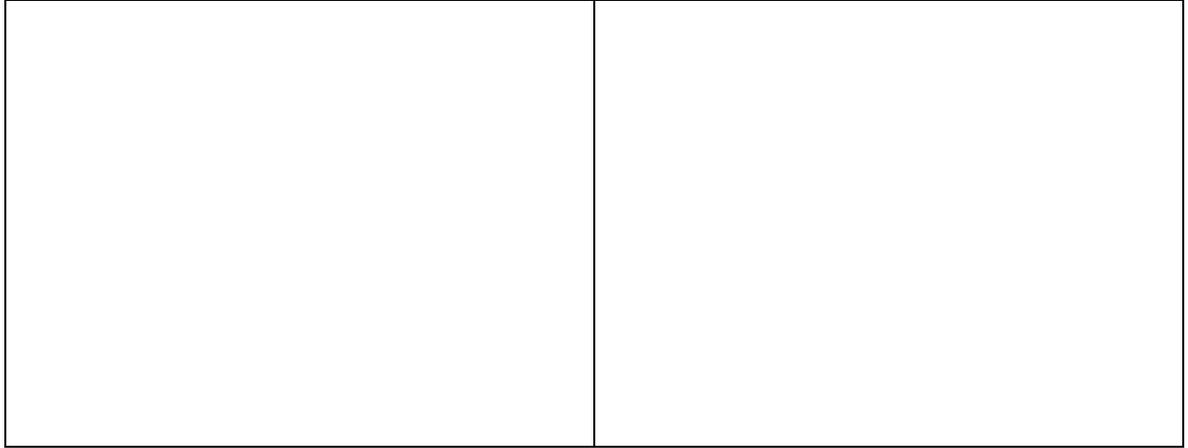
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3. Next, draw two impossible triangles with the help of this video.

How to Draw a Penrose Triangle — Optical Illusion

➤ <https://youtu.be/sCqQ3d1k3Vc?si=gK7V0fXyZaXfkh-5>

(Art for Kids Hub, 20 June 2020)



4. Your challenge is to create a scene of modern pyramid-shaped buildings inspired by the article. Inside your scene, you must hide three impossible triangles.

Your scene must include:

- At least one pyramid-shaped building
- A realistic setting (e.g. city, park, desert, river, etc.)
- Three hidden impossible triangles

Draft the scene here ↓ first. Then, create your puzzle on a fresh sheet of paper.



5. Invite your classmates to try to spot the hidden triangles.