Game On!
Discerning Geometric Patterns Through Mathematical Games

Which shape does not belong?

USE THE ATTRIBUTE BLOCKS TO CREATE YOUR OWN

“Which does not belong?”
Three share the same attribute
One differs in that attribute

“The triangle is the only 3-sided shape. The others have 4 sides.”
Universal Design for Learning

Three Tenets of UDL

- **Presentation**
  - multiple modes of representation

- **Expression**
  - various modalities

- **Engagement**
  - students’ strengths and interests

Attribute Trains:


Geoboard Battleshape
GEOBOARD: Make a...

<table>
<thead>
<tr>
<th>Make a shape with 3 sides.</th>
<th>Make a shape with 4 sides.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Make a shape with 3 corners.</td>
<td>Make a shape with 4 corners.</td>
</tr>
<tr>
<td>Make a square.</td>
<td>Make a triangle.</td>
</tr>
</tbody>
</table>

FINAL CHALLENGE: Can you make the letters of NCTM?

http://mathforum.org/trscavo/tangrams/construct.html

- Compose two-dimensional shapes (rectangles, squares, trapezoids, triangles, half-circles, and quarter-circles) or three-dimensional shapes (cubes, right rectangular prisms, right circular cones, and right circular cylinders) to create a composite shape, and compose new shapes from the composite shape.