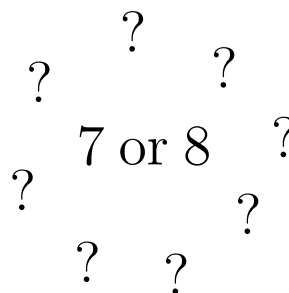
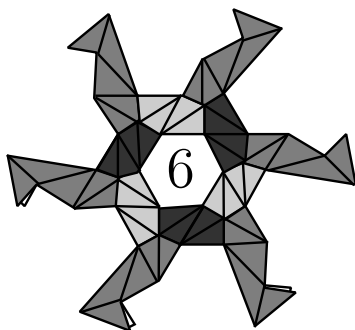


## Handout: Bigger PHiZZ Unit Rings

This handout asks you to experiment with making larger “rings” using PHiZZ units.



**Activity:** Make a heptagon or octagon ring out of PHiZZ units (it’ll require 14 or 16, so feel free to do it in groups). This will be challenging: How can you make the ring close up? Do not force any extra creases in the units! They should go together just like normal.

**Question:** Compare what a pentagon ring, a hexagon ring, and a bigger ring (like a heptagon or octagon ring) look like.

Specifically, imagine these rings were lying on a surface. What kind of surface would the pentagon ring be lying on?

How about a hexagon ring?

How about a heptagon or octagon ring?

So, if you were to make a **torus** (i.e., a doughnut) using PHiZZ units, where on the torus might you place your pentagons, your hexagons, and your bigger-gons?

