

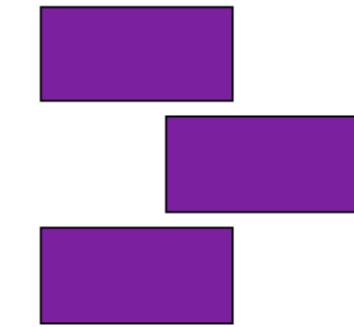
Which One Doesn't Belong?

These thinking puzzles are inspired by Christopher Danielson's book, **Which One Doesn't Belong?**

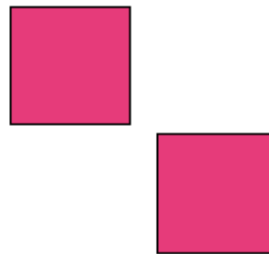
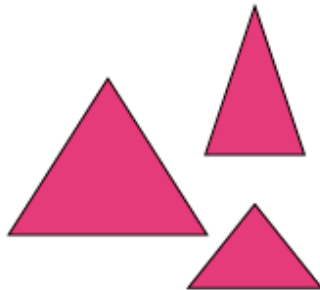
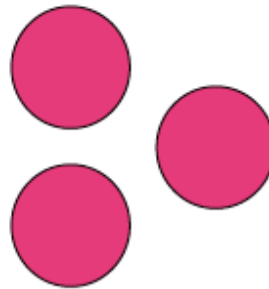
As you consider the four images in each puzzle, know that each of the images can be a correct answer to the question "Which one doesn't belong?" As you contemplate the images come up with your own justifications and arguments regarding what does and doesn't belong and share your reasoning. Work with a partner to come up with a least one puzzle of your own.

Justifications for why each of the images below doesn't belong are given as an example

The shapes are purple; all others are pink.



The shapes are circles; all others are polygons.



The shapes are not congruent; the others are the same shape and size.

There are only two shapes; all other groups have three shapes.