

Activities with Pattern Blocks

1. Classify shapes
 - a. Sort blocks at least two different ways.
Describe why you grouped certain blocks together using properties of the blocks.
Trace the blocks to keep a record of how you sorted them.
 - b. Name what kind of polygon each block is and then create a definition of each based on its properties.
2. Symmetry
 - a. Use a mirror to find the lines of symmetry for each pattern block.
List the name of each block and how many lines of symmetry it has.
 - b. Trace around each block. See how far you need to turn each block before it matches with the traced block. List how many times it matches until it is back to its original position. This will help you determine the degrees of rotational symmetry that each block has. (Divide 360° by the number of turns to find the smallest rotational symmetry.)