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|  **Reason with shapes and their attributes.** |
| 1. Recognize and draw shapes having specified attributes, such as a given number of angles or a given number of equal faces.1 Identify triangles, quadrilaterals, pentagons, hexagons, and cubes.  | * Using pattern blocks to trace and identify shapes.
* Read “The Greedy Triangle” and make the plain shapes with toothpicks and marshmallows.
* Make “Geo-Animals” making animals using geometric shapes
* Geoboards
* Brain Pop Jr. solid shapes and 2/3 dimensional
* Use tan grams to identify and create the shapes
* Make nets for 3-D shapes
* Use the Ellison machine to cut pattern block shapes
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| 2. Partition a rectangle into rows and columns of same-size squares and count to find the total number of them.  | * Make rectangles on graph paper
* Color tiles to create rows and columns
* Make columns and rows from unifix cubes
* Using junk boxes to create rows and columns
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| 3. Partition circles and rectangles into two, three, or four equal shares, describe the shares using the words halves, thirds, half of, a third of, etc., and describe the whole as two halves, three thirds, four fourths. Recognize that equal shares of identical wholes need not have the same shape.  | * Brain Pop Jr. fractions
* Bring in food to divide
* Read “The Hersey’s Milk Chocolate Fraction Book”
* Symmetry face project (draw other half of photographed face)
* Fraction centers using cereal with different size containers
* Using junk boxes to identify fractions of a set of objects
* Pizza fraction game
* Create a BINGO fraction game
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1 Sizes are compared directly or visually, not compared by measuring.