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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 |
| 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 |
| 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.