3.G.A

Reason with shapes and their attributes.

1. Circle **all** of the shapes that appear to be parallelograms.

 

2. Draw the figures on the left under each column or columns where they belong. A figure may belong to more than one category or to none of these categories.

|  | **Quadrilaterals** | **Rectangles** | **Has at Least 4 Angles** |
| --- | --- | --- | --- |
| Five figures are shown. From top to bottom, they are a square, a regular pentagon, a right triangle, a non-square rectangle, and an isocelecs trapezoid. |  |  |  |

3. Draw a quadrilateral that is **not** a rhombus or a rectangle.

4. Figure A is divided into equal squares. One square is shaded gray. What is the fraction that is equal to the gray-shaded area of Figure A?

 

**Teacher Material**

3.G.A

Reason with shapes and their attributes

| **Question** | **Claim** | **Key/Suggested Rubric** |
| --- | --- | --- |
| 1[[1]](#footnote-1) | 1 | **1 point:**Six figures in two rows. In the top row, from left to right, is an isosceles trapezoid, a non-square rectangle which is circled, and a non-square rhombus which is circled. In the bottom row, from left to right, is a concave kite, a non-rectangular parallelogram which is circled, and a trapezoid. |
| 21 | 1 | **2 points:** Draws 8 or 9 figures in the correct columnsQuadrilaterals: square, rectangle, trapezoidRectangles: square, rectangleHas at least angles: square, pentagon, rectangle, trapezoid**1 point:** Draws 5, 6 or 7 figures in the correct columns |
| 31 | 1 | **1 point:** See student drawing. |
| 41 | 1 | **1 point:** $\frac{1}{6}$ |

1. From Smarterbalanced.org. Grade 3, Claim 1, Target K Item Specifications. Internet. Available from <http://www.smarterbalanced.org/smarter-balanced-assessments/>; accessed 11/2015. [↑](#footnote-ref-1)