

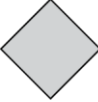
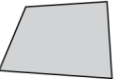


Content Standard	<p>MAFS.5.G Geometry</p> <p>MAFS.5.G.2 Classify two-dimensional figures into categories based on their properties.</p> <p>MAFS.5.G.2.3 Understand that attributes belonging to a category of two-dimensional figures also belong to all subcategories of that category. <i>For example, all rectangles have four right angles and squares are rectangles, so all squares have four right angles.</i></p> <p>Also Assessed:</p> <p>MAFS.5.G.2.4 Classify and organize two-dimensional figures into Venn diagrams based on the attributes of the figures.</p>	
Assessment Limits	Focus should be on quadrilaterals, although other polygons can be included.	
Calculator	No	
Acceptable Response Mechanisms	Graphic Response – Drawing/Graphing, Hot Spot Matching Item Response Multi-Select Response Multiple Choice Response	
Context	No context	
Example		
<p>Note: Because the scope of this standard is limited to a few shapes, parameters to change the difficulty of items are difficult to generalize across task demands.</p>		
Context	Shapes that are nested in the hierarchy (e.g., rectangles and squares).	
Context easier	One label is missing/work with one category.	
Context more difficult	More than 2 labels missing/work with more than 2 categories. Shapes that are not nested in the hierarchy (e.g., rectangles and rhombuses). Consider more than one attribute.	
Sample Item Stem	Response Mechanism	Notes, Comments
Which could be the name of a parallelogram that has four equal length sides? A. Rhombus B. Trapezoid C. Triangle D. Parallelogram	Multiple Choice Response	

<p>Which could be the name of a parallelogram that has four equal sides and four right angles?</p> <ul style="list-style-type: none">A. KiteB. TrapezoidC. RectangleD. Square	<p>Multiple Choice Response</p>	
<p>Select all the properties that both rectangles and parallelograms share.</p> <ul style="list-style-type: none"><input type="radio"/> 4 right angles<input type="radio"/> 4 sides of equal length<input type="radio"/> 2 pairs of parallel sides<input type="radio"/> 2 pairs of sides with equal length<input type="radio"/> 2 acute angles and 2 obtuse angles	<p>Multi-Select Response</p>	
<p>Kyle knows a formula for the area of a rectangle.</p> <p>For which other shape can he always use the same formula to find the area?</p> <ul style="list-style-type: none">A. ParallelogramB. RhombusC. QuadrilateralD. Square	<p>Multiple Choice Response</p>	
<p>Which kinds of shapes are also all rectangles?</p> <ul style="list-style-type: none">A. ParallelogramsB. QuadrilateralsC. RhombusesD. Squares	<p>Multiple Choice Response</p>	

<p>Select all the shapes that are always also parallelograms.</p> <ul style="list-style-type: none"> <input type="radio"/>  <input type="radio"/>  <input type="radio"/>  <input type="radio"/>  	<p>Multi-Select Response</p>					
<p>Select all the names that apply to a rhombus.</p> <ul style="list-style-type: none"> <input type="radio"/> Parallelogram <input type="radio"/> Square <input type="radio"/> Rectangle <input type="radio"/> Quadrilateral <input type="radio"/> Trapezoid 	<p>Multi-Select Response</p>					
<p>Two descriptions are given.</p> <ul style="list-style-type: none"> • If the shape is not possible, select “Not Possible.” • If the shape is possible, use the Connect Line tool to draw an example. <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30px; height: 20px;"></td> <td><input type="checkbox"/> Rhombus that is not a square</td> </tr> <tr> <td style="width: 30px; height: 20px;"></td> <td><input type="checkbox"/> Square that is a rectangle</td> </tr> </table> </div>		<input type="checkbox"/> Rhombus that is not a square		<input type="checkbox"/> Square that is a rectangle	<p>Graphic Response – Drawing/Graphing</p>	
	<input type="checkbox"/> Rhombus that is not a square					
	<input type="checkbox"/> Square that is a rectangle					