


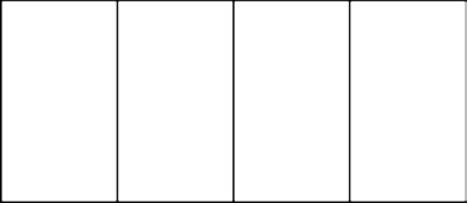

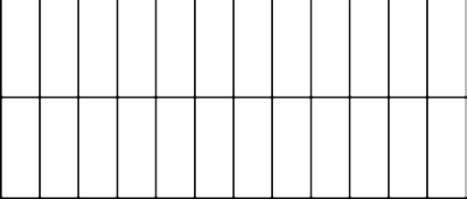





Content Standard	<p><b>MAFS.3.G Geometry</b></p> <p><b>MAFS.3.G.1</b> Reason with shapes and their attributes.</p> <p><b>MAFS.3.G.1.2</b> Partition shapes into parts with equal areas. Express the area of each part as a unit fraction of the whole. <i>For example, partition a shape into 4 parts with equal area, and describe the area of each part as <math>\frac{1}{4}</math> of the area of the shape.</i></p>	
Assessment Limits	<p>Fractions with denominators 2, 3, 4, 6, and 8 (MAFS.3.NF).</p> <p>Shapes include quadrilateral (parallelogram, rhombus, rectangle, square, isosceles trapezoid), equilateral triangle, isosceles triangle, regular hexagon, circle (these are all the shapes covered in geometry standards K-3).</p> <p>The shape used and the number of partitions should be suitable for this grade. For example, having a student partition a hexagon into 6 parts is acceptable, but 8 is not.</p>	
Calculator	No	
Acceptable Response Mechanisms	<p>Equation Response</p> <p>Graphic Response – Drawing/Graphing, Hot Spot</p> <p>Multi-Select Response</p> <p>Table Response</p>	
Context	No context	
Example		
Context	A shape is shown.	
Context easier	<p>Decrease number of partitions.</p> <p>Limit partitions to horizontal/vertical partitions.</p> <p>Limit partitions to <math>\frac{1}{2}</math> and <math>\frac{1}{4}</math>.</p>	
Context more difficult	<p>Increase number of partitions.</p> <p>Include irregular/nontraditional partitions.</p> <p>Partition includes <math>\frac{1}{3}</math>, <math>\frac{1}{6}</math>, and <math>\frac{1}{8}</math>.</p>	
Sample Item Stem		Response Mechanism
<p>A square is shown. Part of the square is shaded.</p>  <p>Which fraction of the total area of the square does the shaded part represent?</p>		Equation Response
		Notes, Comments

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<p>A square is shown. Part of the square is shaded.</p>  <p>Which fraction of the total area of the square does the shaded part represent?</p>	<p>Equation Response</p>	
<p>A rectangle is shown.</p>  <p>Shade <math>\frac{1}{2}</math> of the shape.</p>	<p>Graphic Response – Hot Spot</p>	
<p>A rectangle is shown.</p>  <p>Shade <math>\frac{1}{3}</math> of the shape.</p>	<p>Graphic Response – Hot Spot</p>	
<p>A rectangle is shown.</p>  <p>Shade <math>\frac{1}{8}</math> of the shape.</p>	<p>Graphic Response – Hot Spot</p>	

Grade 3 Mathematics Item Specifications  
Florida Standards Assessments

<p>A half of a shape is shown.</p>  <p>Click squares to complete the whole shape.</p>	<p>Graphic Response – Hot Spot</p>	
<p>A third of a shape is shown.</p>  <p>Click squares to complete the whole shape.</p>	<p>Graphic Response – Hot Spot</p>	
<p>A sixth of a shape is shown.</p>  <p>Click squares to complete the whole shape.</p>	<p>Graphic Response – Hot Spot</p>	