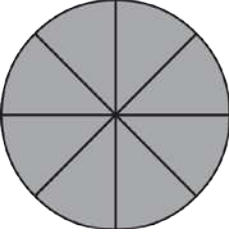
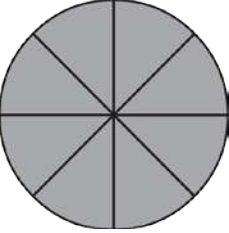

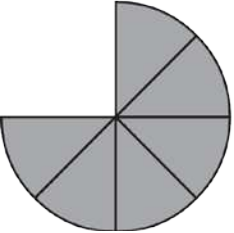
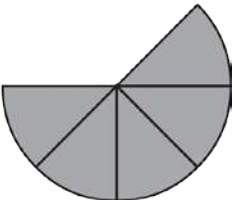
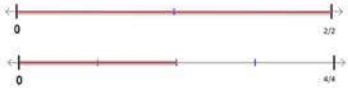


Content Standard	<p>MAFS.3.NF <i>Number and Operations — Fractions</i></p> <p>MAFS.3.NF.1 <i>Develop understanding of fractions as numbers.</i></p> <p>MAFS.3.NF.1.3 Explain equivalence of fractions in special cases, and compare fractions by reasoning about their size.</p> <p>MAFS.3.NF.1.3a Understand two fractions as equivalent (equal) if they are the same size, or the same point on a number line.</p> <p>MAFS.3.NF.1.3b Recognize and generate simple equivalent fractions, e.g., $\frac{1}{2} = \frac{2}{4}$, $\frac{4}{6} = \frac{2}{3}$. Explain why the fractions are equivalent, e.g., by using a visual fraction model.</p> <p>MAFS.3.NF.1.3c Express whole numbers as fractions, and recognize fractions that are equivalent to whole numbers. <i>Examples: Express 3 in the form $3 = \frac{3}{1}$; recognize that $\frac{6}{1} = 6$; locate $\frac{4}{4}$ and 1 at the same point of a number line diagram.</i></p> <p>MAFS.3.NF.1.3d Compare two fractions with the same numerator or the same denominator by reasoning about their size. Recognize that comparisons are valid only when the two fractions refer to the same whole. Record the results of comparisons with the symbols $>$, $=$, or $<$, and justify the conclusions, e.g., by using a visual fraction model.</p>
Assessment Limits	<p>Denominators of 2, 3, 4, 6, 8.</p> <p>Fractions must refer to the same whole unless intent of item is to assess reasoning about wholes.</p> <p>Vocabulary: lowest terms or simplify should not be used.</p> <p>Ordering fractions: limit to a maximum of 2.</p> <p>Visual models may include number lines and area models (circles, rectangles, regular polygons—see shapes from geometry standards).</p>
Calculator	No
Acceptable Response Mechanisms	<p>Graphic Response — Drag and Drop, Drawing/Graphing, Hot Spot</p> <p>Multiple Choice Response</p> <p>Multi-Select Response</p> <p>Table Response</p> <p>Matching Item Response</p>
Context	Allowable
Example	
Context	<p>Comparing fractions, fractional models, or situations involving fractional quantities:</p> <ul style="list-style-type: none"> • Like denominators of 1, 2, 3, 4, 6 & 8 • Unlike denominators limited to 1, 2 & 4
Context easier	<p>Compare fractions or fraction models with:</p> <ul style="list-style-type: none"> • Like denominators limited to 1, 2, 3, 4 • Frame in terms of what is used

Grade 3 Mathematics Item Specifications
Florida Standards Assessments

Context more difficult	Compare fractions or fraction models with: <ul style="list-style-type: none"> • Like or unlike denominators of 1, 2, 3, 4, 6 & 8 • Frame in terms of what is remaining or left over 												
Sample Item Stem		Response Mechanism	Notes, Comments										
<p>Jenni and Jimmy’s equal-sized pizzas are each cut into 8 pieces. Jenni eats 2 slices of her pizza, and Jimmy eats 3 slices of his pizza.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p>Jenni</p>  </div> <div style="text-align: center;"> <p>Jimmy</p>  </div> </div> <p>Click on Jenni’s pizza to show how much she ate. Click on Jimmy’s pizza to show how much he ate. Drag <, >, or = to make a true statement.</p>		Graphic Response – Hot Spot											
<p>In the table shown, enter the whole number that is equal to each fraction.</p> <table border="1" data-bbox="191 1094 610 1293"> <tr> <td style="background-color: #cccccc;">Fraction</td> <td>$\frac{2}{2}$</td> <td>$\frac{6}{2}$</td> <td>$\frac{4}{2}$</td> <td>$\frac{8}{2}$</td> </tr> <tr> <td style="background-color: #cccccc;">Whole</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> </tr> </table>		Fraction	$\frac{2}{2}$	$\frac{6}{2}$	$\frac{4}{2}$	$\frac{8}{2}$	Whole	—	—	—	—	Table Response	
Fraction	$\frac{2}{2}$	$\frac{6}{2}$	$\frac{4}{2}$	$\frac{8}{2}$									
Whole	—	—	—	—									
<p>Click on the regions in the model to show a fraction less than $\frac{3}{6}$.</p> <div style="text-align: center;">  </div>		Graphic Response – Hot Spot											

<p>Jenni's and Jimmy's equal-sized pizzas are each cut into 8 slices. Jenni eats 2 slices of her pizza, and Jimmy eats 3 slices of his pizza.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p>Jenni</p>  </div> <div style="text-align: center;"> <p>Jimmy</p>  </div> </div> <p>Complete the comparison of Jenni's pizza to Jimmy's pizza.</p> <div style="border: 1px solid black; padding: 5px;"> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30px; text-align: center;">0</td> <td rowspan="10" style="text-align: center; vertical-align: middle;"> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p>Jenni's Pizza</p> <div style="display: flex; align-items: center;"> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 2px;"></div> <div style="margin: 0 5px;">○</div> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 2px;"></div> </div> <div style="margin: 2px 0;"> <div style="border: 1px solid black; width: 15px; height: 15px; margin: 0 2px;"></div> <div style="border: 1px solid black; width: 15px; height: 15px; margin: 0 2px;"></div> </div> <div style="margin: 2px 0;"> <div style="border: 1px solid black; width: 15px; height: 15px; margin: 0 2px;"></div> <div style="border: 1px solid black; width: 15px; height: 15px; margin: 0 2px;"></div> </div> </div> <div style="margin: 2px 0;"> <div style="border: 1px solid black; width: 15px; height: 15px; margin: 0 2px;"></div> <div style="border: 1px solid black; width: 15px; height: 15px; margin: 0 2px;"></div> </div> </div> </td> </tr> <tr><td style="text-align: center;">1</td></tr> <tr><td style="text-align: center;">2</td></tr> <tr><td style="text-align: center;">3</td></tr> <tr><td style="text-align: center;">4</td></tr> <tr><td style="text-align: center;">5</td></tr> <tr><td style="text-align: center;">6</td></tr> <tr><td style="text-align: center;">7</td></tr> <tr><td style="text-align: center;">8</td></tr> <tr><td style="text-align: center;">9</td></tr> </table> </div>	0	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p>Jenni's Pizza</p> <div style="display: flex; align-items: center;"> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 2px;"></div> <div style="margin: 0 5px;">○</div> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 2px;"></div> </div> <div style="margin: 2px 0;"> <div style="border: 1px solid black; width: 15px; height: 15px; margin: 0 2px;"></div> <div style="border: 1px solid black; width: 15px; height: 15px; margin: 0 2px;"></div> </div> <div style="margin: 2px 0;"> <div style="border: 1px solid black; width: 15px; height: 15px; margin: 0 2px;"></div> <div style="border: 1px solid black; width: 15px; height: 15px; margin: 0 2px;"></div> </div> </div> <div style="margin: 2px 0;"> <div style="border: 1px solid black; width: 15px; height: 15px; margin: 0 2px;"></div> <div style="border: 1px solid black; width: 15px; height: 15px; margin: 0 2px;"></div> </div> </div>	1	2	3	4	5	6	7	8	9	<p>Grid Response – Drag and Drop, Hot Spot</p>	
0	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p>Jenni's Pizza</p> <div style="display: flex; align-items: center;"> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 2px;"></div> <div style="margin: 0 5px;">○</div> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 2px;"></div> </div> <div style="margin: 2px 0;"> <div style="border: 1px solid black; width: 15px; height: 15px; margin: 0 2px;"></div> <div style="border: 1px solid black; width: 15px; height: 15px; margin: 0 2px;"></div> </div> <div style="margin: 2px 0;"> <div style="border: 1px solid black; width: 15px; height: 15px; margin: 0 2px;"></div> <div style="border: 1px solid black; width: 15px; height: 15px; margin: 0 2px;"></div> </div> </div> <div style="margin: 2px 0;"> <div style="border: 1px solid black; width: 15px; height: 15px; margin: 0 2px;"></div> <div style="border: 1px solid black; width: 15px; height: 15px; margin: 0 2px;"></div> </div> </div>												
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<p>Mary has two models each divided into equal-sized sections. Each model has been shaded to represent a fraction.</p> <div style="margin-top: 10px;">  </div> <p>Create a true comparison of the two fractions represented in Mary's models.</p>	<p>Equation Response</p>												

Mary has two models each divided into equal-sized sections. The first model has been shaded to represent a fraction.

Click to shade sections on the second model to show a fraction equivalent to the one in the first model.



Write a true comparison of the 2 fractions.