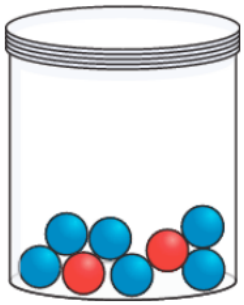
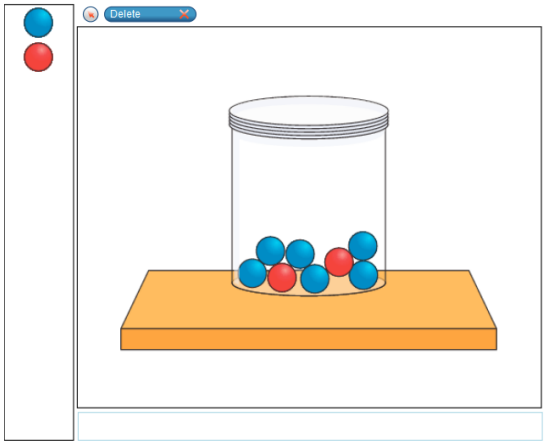
Content Standard	***MAFS.6.RP*** *Ratios and Proportional Relationships* ***MAFS.6.RP.1*** *Understand ratio concepts and use ratio reasoning to solve problems.* ***MAFS.6.RP.1.1*** Understand the concept of a ratio and use ratio language to describe a ratio relationship between two quantities. *For example, "The ratio of wings to beaks in the bird house at the zoo was* 2: 1*, because for every* 2 *wings there was* 1 *beak." "For every vote candidate A received, candidate C received nearly three votes."*
Assessment Limits	Whole numbers should be used for the quantities. Ratios can be expressed as fractions, with ":" or with words. Units may be the same or different across the two quantities. Context itself does not determine the order. Limit use of percent to *MAFS.6.RP.1.3c*.
Calculator	No
Item Types	Equation Editor GRID Multiple Choice Multiselect Open Response Table Item
Context	Allowable

Sample Item	Item Type
Jordan has 3 blue marbles and 8 red marbles. What is the ratio of blue marbles to red marbles? A. 3: 3 B. 3: 5 C. 3: 8 D. 3: 11	Multiple Choice
Jordan has a jar of blue, red, and yellow marbles, as shown. Complete the table to show the ratio of blue marbles to yellow marbles. **Ratio of Blue to Yellow** ____ to ____	Table Item

<table>
<tr><th>Sample Item</th><th>Item Type</th></tr>
<tr><td>A jar of marbles is shown.

Complete the table to show the ratios.
<table><tr><th colspan="3">Ratios of Marbles</th></tr><tr><td>Red: Green</td><td></td><td></td></tr><tr><td>Blue: Total Marbles</td><td></td><td></td></tr></table></td><td>Table Item</td></tr>
<tr><td>Jordan has blue and red marbles in a jar, as shown.
 
Drag additional marbles into the jar so that the ratio of blue marbles to total marbles is 8 to 11.
  </td><td>GRID</td></tr>
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