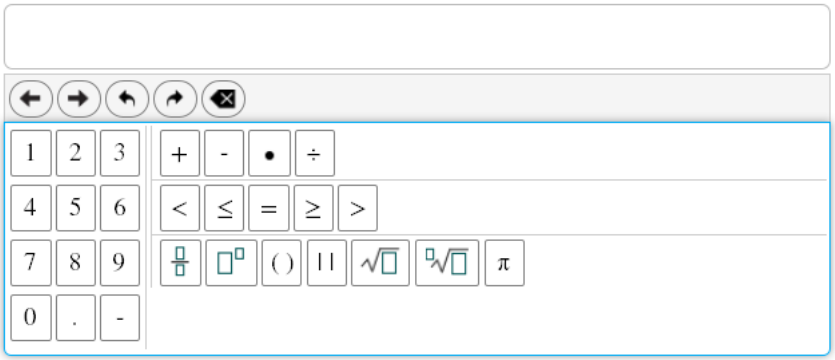
Content Standard	***MAFS.7.RP*** *Ratios and Proportional Relationships.* ***MAFS.7.RP.1*** *Analyze proportional relationships and use them to solve real-world and mathematical problems.* ***MAFS.7.RP.1.1*** Compute unit rates associated with ratios of fractions, including ratios of lengths, areas and other quantities measured in like or different units. *For example, if a person walks* $\frac{1}{2}$ *mile in each* $\frac{1}{4}$ *hour, compute the unit rate as the complex fraction* $\frac{\frac{1}{2}}{\frac{1}{4}}$ *miles per hour, equivalently* 2 *miles per hour*.
Assessment Limits	Numbers in items must be rational numbers. Some items may include one rational number and one whole number (other than 1), but the bulk of items from this standard should involve ratios expressed as fractions. Ratios may be expressed as fractions, with ":" or with words. Units may be the same or different across the two quantities.
Calculator	Yes
Item Type	Equation Editor GRID Multiple Choice Multiselect Open Response Table Item
Context	Allowable

Sample Item	Item Type
A recipe used $\frac{2}{3}$ cup of sugar for every 2 teaspoons of vanilla. How much sugar was used per teaspoon of vanilla? A. $\frac{1}{3}$ B. $1\frac{1}{3}$ C. $2\frac{2}{3}$ D. 3	Multiple Choice
A recipe calls for $\frac{2}{3}$ cup of sugar for every 4 teaspoons of vanilla. How much vanilla should be used for every 1 cup of sugar? A. $\frac{1}{6}$ B. $2\frac{2}{3}$ C. $4\frac{2}{3}$ D. 6	Multiple Choice

Sample Item	Item Type
A recipe calls for $\frac{2}{3}$ cup of sugar for every 2 teaspoons of vanilla. What is the unit rate in cups per teaspoon?	Equation Editor
A recipe calls for $\frac{2}{3}$ cup of sugar for every 4 teaspoons of vanilla. What is the unit rate in teaspoons per cup?	Equation Editor
A recipe calls for $\frac{2}{3}$ cup of sugar for every $\frac{1}{2}$ teaspoon of vanilla. What is the unit rate of cups per teaspoon? 	Equation Editor