Content Standard	**MAFS.6.NS** *The Number System*
	MAFS.6. NS.1 *Apply and extend previous understandings of multiplication and division to divide fractions by fractions.*
	MAFS.6.NS.1.1 Interpret and compute quotients of fractions, and solve word problems involving division of fractions by fractions, e.g., by using visual fraction models and equations to represent the problem. *For example, create a story context for $\frac{2}{3} \div \frac{3}{4}$ and use a visual fraction model to show the quotient; use the relationship between multiplication and division to explain that $\frac{2}{3} \div \frac{3}{4} = \frac{8}{9}$ because $\frac{3}{4}$ of $\frac{8}{9}$ is $\frac{2}{3}$. (In general, $\frac{a}{b} \div \frac{c}{d} = \frac{ad}{bc}$.) How much chocolate will each person get if 3 people share $\frac{1}{2}$ lb of chocolate equally? How many $\frac{3}{4}$-cup servings are in $\frac{2}{3}$ of a cup of yogurt? How wide is a rectangular strip of land with length $\frac{3}{4}$ mi. and area $\frac{1}{2}$ square mi.?*
Assessment Limits	At least the divisor or dividend needs to be a non-unit fraction.
	Dividing a unit fraction by a whole number or vice versa (e.g., $\frac{1}{a} \div q$ or $q \div \frac{1}{a}$) is below grade level.
Calculator	No
Item Types	Equation Editor GRID Multiple Choice Multiselect
Context	Allowable

Sample Item	Item Type
An expression is shown. $\frac{4}{5} \div \frac{8}{7}$ What is the value of the expression?	Equation Editor
An expression is shown. $2\frac{1}{4} \div 1\frac{2}{5}$ What is the value of the expression?	Equation Editor
A rectangular plot of land has an area of $\frac{3}{2}$ square kilometers and a length of $\frac{3}{4}$ kilometer. What is the width of the plot of land?	Equation Editor

Sample Item	Item Type
	Multiple Choice

Which question can be answered using the expression $\frac{1}{3} \div \frac{3}{4}$?

Ⓐ Dan fills $\frac{1}{3}$ of a mold that holds $\frac{3}{4}$ pound of sand. How much sand did Dan use to fill the mold?

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Ⓒ How many $\frac{3}{4}$-pound molds are in $\frac{1}{3}$ pound of sand?

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