Content Standard	Content Standard MAFS.8.NS The Number System					
	MAFS.8.NS.1 Know that there are numbers that are not rational, and approximate them by rational numbers.					
	<i>MAFS.8.NS.1.1</i> Know that numbers that are not rational are called irrational. Understand informally that every number has a decimal expansion; for rational numbers show that the decimal expansion repeats eventually, and convert a decimal expansion which repeats eventually into a rational number.					
Assessment Limits	All irrational numbers may be used, excluding e . Only rational numbers with repeating decimal expansions up to thousandths may be used.					
Calculator	No					
Item Types	Equation Editor Matching Item Multiple Choice					
	Multiselect					
Context	Open Response No Context					
Sample Item	NO CONTEXT	Item Type				
Select all numbers t	hat are irrational.	Multiselect				
$\begin{array}{cccccccccccccccccccccccccccccccccccc$						
Which number is irr	rational?	Multiple Choice				
A. $\sqrt{64}$						
B. $\frac{1}{2}$						
$C.\frac{\sqrt{16}}{4}$						
$D. \frac{\sqrt{20}}{5}$						
What is $0.\overline{36}$ writte	Equation Editor					
Why is the square ro	Open Response					

Grade 8 Mathematics Item Specifications Florida Standards Assessments

Sample Item						Item Type
Determine whether each number is rational or irrational.						Matching Item
		Rational	Irrational			
	√81					
	√89					
	√121					
	√131					