Content Standard	Content Standard MAFS.8.EE Expressions and Equations	
	MAFS.8.EE.1 Work with radicals and integer exponents.	
	MAFS.8.EE.1.3 Use numbers expressed in the form of a single digit times an integer power of 10 to estimate very large or very small quantities, and to express how many times as much one is than the other. For example, estimate the population of the United States as 3 times 10^8 and the population of the world as 7 times 10^9 , and determine that the world population is more than 20 times larger.	
Assessment Limits	N/A	
Calculator	No	
Item Types	Equation Editor Multiple Choice Open Response	
Context	Allowable	
Sample Item		Item Type
a blue whale is appr	If a giraffe is approximately 1×10^3 kilograms. The average mass of roximately 2×10^6 kilograms. The average mass of mes more mass does a blue whale have than a giraffe?	Equation Editor
Equation Editor The average mass of an ant is approximately 3×10^{-3} grams. The average mass of a giraffe is approximately 2×10^3 kilograms. About how many times more mass does a giraffe have than an ant?		
$(\bullet, \bullet, \bullet, \bullet)$		
1 2 3 4 5 6 7 8 9 0		