NAME		Guided
Module 5 Lesson 7	Decimal Operations, Exponents, and Powers Scientific Notation	Practice 5.7
Set	t 1	
W	rite as a Power of 10.	
1	1,000 (2) 0.0001	
W	rite in standard form.	
3)	$10^6$ $10^{-8}$	
Set	t 2	
$\mathbf{W}_{1}$	rite in standard form.	
	$102.5 \times 10^2$ <b>(2)</b> $1,087 \times 10^{-3}$	
3	Write 9.307 in expanded form.	

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Set 3

Tell whether the number is written in scientific notation.





Light travels at a speed of about 300,000 kilometers per second. Write the number 300,000 in scientific notation.



The diameter of Saturn is approximately  $1.2 \times 10^5$  kilometers. Write  $1.2 \times 10^5$  in standard notation.



The diameter of the Sun is approximately  $1.4 \times 10^6$  kilometers. Write  $1.4 \times 10^6$  in standard notation.

## NAME

Module 5Decimal Operations, Exponents, and PowersLesson 7Scientific Notation



The wavelength of red light is 0.00000075 m. Write this number in scientific notation.



The mass of a dust particle is 0.00000000753 kilograms. Write this number in scientific notation.



The radius of a hydrogen atom is  $2.5 \times 10^{-11}$  meters. Write this number in standard notation.