

PROBLEM SOLVING

EXAMPLE 2 on p. 331 for Exs. 49–50 **49. OCEAN VOLUME** The table shows the surface areas and average depths of four oceans. Calculate the volume of each ocean by multiplying the surface area of each ocean by its average depth. Write your answers in scientific notation.

Ocean	Surface area (square meters)	Average depth (meters)	A AND STR
Pacific	$1.56 imes10^{14}$	$4.03 imes 10^3$	
Atlantic	$7.68 imes 10^{13}$	$3.93 imes 10^3$	ALLA ALLAN BE
Indian	6.86×10^{13}	$3.96 imes10^3$	
Arctic	1.41×10^{13}	$1.21 imes 10^3$	

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50. EARTH SCIENCE The continents of Earth move at a very slow rate. The South American continent has been moving about 0.000022 mile per year for the past 125,000,000 years. How far has the continent moved in that time? Write your answer in scientific notation.

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