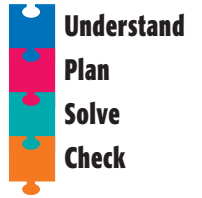


Problem Solving Strategy

Guess and Check

NCTM Standards 1, 2, 3, 4, 6, 7, 8, 9, 10



You may use a calculator and the tables to help you solve the problems.

- 1 Hope has a cube-shaped box. Its volume is 500 cubic units. About how many units long is each edge?



Edge n	Volume n^3	> or < Target Volume
		<input type="radio"/> 500
		<input type="radio"/> 500
		<input type="radio"/> 500
		<input type="radio"/> 500
		<input type="radio"/> 500
		<input type="radio"/> 500
		<input type="radio"/> 500
		<input type="radio"/> 500
		<input type="radio"/> 500
		<input type="radio"/> 500
		<input type="radio"/> 500

- 2 The volume of a large ice cube is 100 cubic centimeters. What is the approximate length of one edge?



Edge n	Volume n^3	> or < Target Volume
		<input type="radio"/> 100
		<input type="radio"/> 100
		<input type="radio"/> 100
		<input type="radio"/> 100
		<input type="radio"/> 100
		<input type="radio"/> 100
		<input type="radio"/> 100
		<input type="radio"/> 100
		<input type="radio"/> 100
		<input type="radio"/> 100
		<input type="radio"/> 100