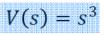
Objective: Find the inverse of a function in context.

Concept

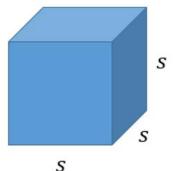
In a context situation, the inverse of a function tells you how to find the value of what was the independent variable in the original function model, given the value of what was the dependent variable.

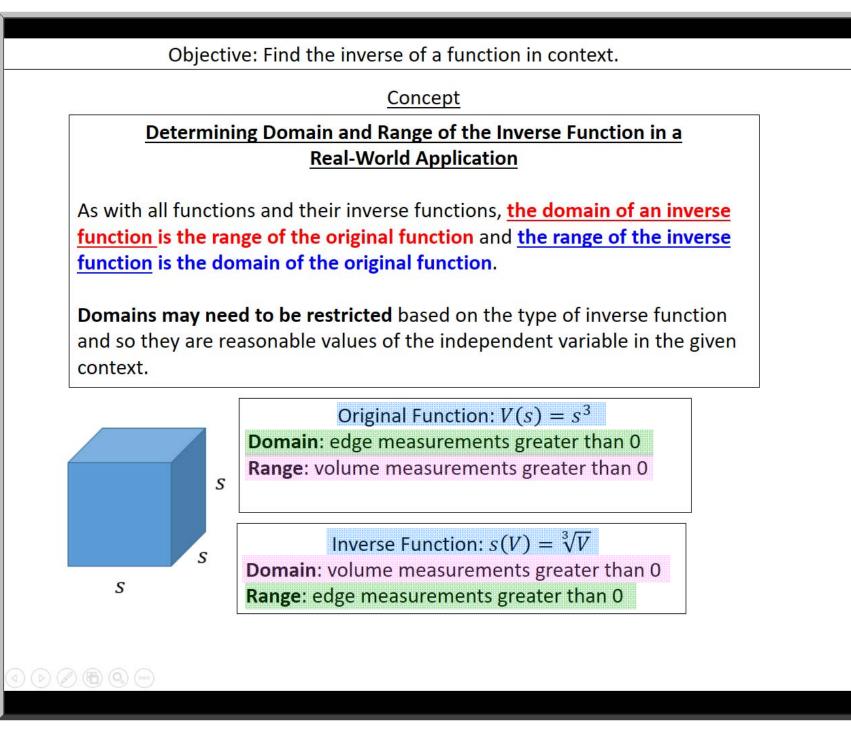
Function that models the volume of a cube relative to the measure of an edge.



Inverse Function that models the measure of a cube's edge relative to its volume.

 $s(V) = \sqrt[3]{V}$





Objective: Find the inverse of a function in context.

Concept

The procedure for solving a function or equation for another variable is the same as solving an equation in one variable for the value of the variable. The algebra must be done in the reverse order of the order of operations.

Procedure for Solving a Function or Equation for Another Variable

Undo Operations Outside of Parentheses

- 1. Undo Addition and Subtraction outside parentheses
- 2. Undo Multiplication and Division outside parentheses
- 3. Undo Exponents outside parentheses

Undo Operations Inside Parentheses

- 1. Undo Addition and Subtraction inside parentheses
- 2. Undo Multiplication and Division inside parentheses
- 3. Undo Exponents inside parentheses

