

Exercise 13

Radicals and Exponents Write each radical expression using exponents, and each exponential expression using radicals.

	Radical expression	Exponential expression
13.	$\sqrt[5]{5^3}$	<input type="text"/>

Solution

Write the radical expression as an exponential expression.

$$\sqrt[5]{5^3} = (5^3)^{1/5} = 5^{3(\frac{1}{5})} = 5^{3/5}$$