8TH GRADE MATH - UNIT 2 STUDY RESOURCES

The following guide is organized into topics from Unit 2, and each topic has videos to watch, along with links to practice problems that you can work on independently.

Unit 2: Geometric Applications of Exponents

Topic	Videos to Watch	Practice Problems to Do
Roots	• Intro to square roots • Intro to cube roots • Understanding square roots • Estimating square roots	• Square roots practice • Cube roots practice • Estimating square roots practice

Pythagorean Theorem	• Intro to the Pythagorean Theorem
	  ◦ Pythagorean Theorem example
	  ◦ Pythagorean Theorem word problem
	• Finding distance between two points (stop at 5:30)
		• Pythagorean Theorem practice
		• Distance between two points practice

Rational & Irrational Numbers	• Intro to Rational/Irrational Numbers • Classifying Rational/Irrational Numbers	• Classifying numbers as either rational or irrational practice
Volume	• Volume of Cylinders (stop after 3:25) • Volume of Cones • Volume of Spheres	• Volume of cones, cylinders, & spheres practice