

Math 7B/8: Roots and Exponents

Unit 1 Khan Academy Playlist

Directions:

- 1) Log in to khanacademy.org
- 2) Type the exercise in the search bar at the top
- 3) Click on the skill that matches exactly
- 4) Work on the exercise until:
 - a. You've reached "Practiced"
 - b. You've worked for at least 15 minutes
- 5) Each time you log into Khan Academy, complete at least one Mastery Challenge – this allows you to reach higher levels above "Practiced"!

Grading:

- Each exercise is worth 2 points
 - To earn full credit, reach "Practiced" or work on it for at least 15 min.
- Extra credit: Reaching Level One / Level Two / Mastered
 - 0.25 point for each exercise, 4 points maximum

Use the chart below to find the exercises and keep track of your progress.

When to work on	Exercise	Full Credit	Extra Credit
		Practiced (or 15 min.)	Level One, Level Two, Mastered
8/24	Adding and Subtracting Integers		
8/24	Multiplying and Dividing Integers		
After 1.1	Solving One Step Equations with Negatives (Add & Subtract)		
After 1.1	Solving One Step Equations with Negatives (Multiply & Divide)		
After 1.2	Solving Two Step Equations	\	
After 1.3	Equations with variables on both sides		
After 1.3	Equations with Parenthesis		
After 1.3	Equations with parentheses: decimals & fractions		
After 1.3	Equations with variables on both sides: decimals & fractions		
After 1.3	Number of solutions to equations		
After 7.1	Square Roots		
After 7.1	Roots of Decimals & fractions		
After 7.2	Cube Roots		

After 7.2	Square and cube challenge		
After 7.2	Equations with square roots & cube roots		
After 7.3	Pythagorean Theorem word problems		
After 7.3	Use Pythagorean Theorem to find right triangle side lengths		
After 7.4	Classify Numbers		
After 7.4	Approximating square roots		
After 10.2	Multiply powers		
After 10.2	Powers of powers		
After 10.3	Divide powers		
After 10.3	Powers of products & quotients		
After 10.3	Powers of products & quotients (structured practice)		
After 10.4	Negative Exponents		
After 10.4	Multiply & divide powers (integer exponents)		
After 10.4	Powers of products & quotients (integer exponents)		
After 10.5	Scientific notation		
After 10.7	Adding & subtracting in scientific notation		
After 10.7	Multiplying & dividing in scientific notation		
After 10.7	Approximating with powers of 10		