



(SY 19/20) Khan Academy Summer Playlist

(FAQ) Frequently Asked Questions	Clever Link	Khan Academy Link
<ul style="list-style-type: none"> • Why do we have homework over the summer? <ul style="list-style-type: none"> ○ We all have been learning and teaching online for 3 months. The Summer Playlist gives your child the opportunity to continue their preparation for 8th grade math. Students please invest your free time into your own future. • What is the goal? <ul style="list-style-type: none"> ○ Dedicate 30-45 minutes everyday to Math for 6 weeks. • What do I need to complete for Khan Academy? <ul style="list-style-type: none"> ○ 107 activities in 30 days • How do I log into clever? <ul style="list-style-type: none"> ○ Use Clever or Khan Links → ○ Username: Student ID# ○ Password: #weareteach 		

Week	Day 1	Day 2	Day 3	Day 4	Day 5
Week 1: 06/22-06/26	1. Converting a fraction to a repeating decimal. 2. Writing fractions as repeating decimals 3. Converting repeating decimals to fractions (part 1 of 2)	1. Converting repeating decimals to fractions 2. Converting repeating decimals to fractions (part 2 of 2) 3. Converting multi-digit repeating decimals to fractions	1. Writing repeating decimals as fractions review 2. Writing fractions as repeating decimals review 3. Intro to square roots	1. Square roots of perfect squares 2. Square roots 3. Intro to cube roots	1. Intro to cube roots 2. Cube roots 3. Worked example: Cube root of a negative number
Week 2: 06/29-07/03	1. Equations with square roots & cube roots 2. Square root of	1. Equations with square roots: decimals & Fractions 2. Dimension of cube	1. Square roots review 2. Cube roots review 3. Numbers and operations: Quiz 1	1. Intro to rational & irrational numbers 2. Classifying numbers: rationals &	1. Classifying numbers 2. Classify numbers 3. Classifying numbers review.

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	<p>decimal</p> <p>3. Roots of decimals & fractions</p>	<p>from its volume</p> <p>3. Square and cube challenge</p>		<p>irrational</p> <p>3. Classify numbers: rational & irrational</p>	
<p>Week 3: 07/06-07/10</p>	<p>1. Approximating square roots</p> <p>2. Approximating square roots walk through</p> <p>3. Approximating square root</p>	<p>1. Comparing irrational numbers with radicals</p> <p>2. Comparing irrational numbers</p> <p>3. Approximating square roots to hundredths</p>	<p>1. Comparing values with calculator</p> <p>2. Comparing irrational numbers with a calculator</p> <p>3. Numbers and operations: Quiz 2</p>	<p>1. Exponents with negative bases</p> <p>2. The 0 & 1st power</p> <p>3. Exponents with integer bases</p>	<p>1. Exponents with negative fractional bases</p> <p>2. Even & odd numbers of negatives</p> <p>3. 1 and -1 to different powers</p>
<p>Week 4: 07/13-07/17</p>	<p>1. Sign of expressions challenge problems</p> <p>2. Sign of expressions challenge</p> <p>3. Power of zero</p>	<p>1. Exponent properties with products</p> <p>2. Multiply powers</p> <p>3. Exponent properties with parentheses</p>	<p>1. Powers of powers</p> <p>2. Exponent properties with quotients</p> <p>3. Divide powers</p>	<p>1. Powers of products & quotients</p> <p>2. Exponents properties review</p> <p>3. Negative exponents</p>	<p>1. Negative exponent intuition</p> <p>2. Negative exponents</p> <p>3. Negative exponent review</p>
<p>Week 5: 07/20-07/24</p>	<p>1. Multiplying & dividing powers (integer exponents)</p> <p>2. Multiply & divide powers (integer Exponents)</p> <p>3. Powers of products & quotients (integer exponents)</p> <p>4. Powers of products & quotients (integer exponents)</p>	<p>1. Power of zero</p> <p>2. Numbers and operations: quiz 3</p> <p>3. Multiplying multiples of powers of 10.</p> <p>4. Multiplication and division with powers of ten</p> <p>5. Approximating with powers of 10</p>	<p>1. Scientific notation example: 0.000000003457</p> <p>2. Scientific notation examples</p> <p>3. Scientific notation review</p> <p>4. Scientific notation review</p> <p>5. Multiplying & dividing in scientific notation</p>	<p>1. Multiplying three numbers in scientific notation</p> <p>2. Multiplying & dividing in scientific notation</p> <p>3. Subtracting in scientific notation</p> <p>4. Adding & subtracting in scientific notation</p>	<p>1. Simplifying in scientific notation challenge</p> <p>2. Scientific notation word problem: red blood cells</p> <p>3. Scientific notation word problem: U.S national debt</p> <p>4. Scientific notation word problems</p>

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<p>Week 6: 07/27-07/31</p>	<ol style="list-style-type: none">1. Numbers and operations: Quiz 42. Numbers and operation unit test.3. Intro to equations with variables on both sides4. Equations with variables on both sides: $20-7x=6x-6$	<ol style="list-style-type: none">1. Equations with variables on both sides2. Equation with variables on both sides: fractions3. Equations with variables on both sides: decimals & fractions4. Equation with the variable in the denominator	<ol style="list-style-type: none">1. Equations with parentheses2. Equations with parentheses (practice)3. Equations with parentheses: decimals & fractions4. Multi-step Equations Review5. Solving quotations with one unknown: Quiz 1	<ol style="list-style-type: none">1. Number of solutions to equations2. Worked example: number of solutions to equations3. Number of solutions to equations4. Creating an equation with infinitely many solutions	<ol style="list-style-type: none">1. Number of solutions to equations challenge2. Solving equations with one unknown: quiz 23. Solving equations with one unknown: unit test.
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