


| (FAQ) Frequently Asked Questions | Khan Academy Link |
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| <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 High School 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"> ○ 100 activities in 30 days ● How do I log into clever? <ul style="list-style-type: none"> ○ Use Khan Link --> |  |

| Week | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 |
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| Week 1: 06/22-06/26 | 1. Origins of Algebra 2. Abstract-ness 3. The beauty of Algebra 4. Intro to the coordinate plane | 1. Why all the letters in Algebra 2. What is a variable? 3. Why aren't we using the multiplication sign | 1. Evaluating an expression with one variable 2. Evaluating expressions with one variable 3. Evaluating expressions with one variable | 1. Evaluating expressions with two variables 2. Evaluating expressions with two variables 3. Evaluating expressions with multiple variables | 1. Evaluating expressions with two variables: fractions & decimals 2. Evaluating expressions with two variables: fractions & decimals 3. Evaluating expressions with multiple variables: fractions & decimals |
| Week 2: 06/29-07/03 | 1. Algebra foundations Quiz #1 2. Intro to combining like terms | 1. Combining like terms with negative coefficients. 2. Combining like | 1. Practice Combining like terms with rational coefficients 2. Equivalent | 1. Why dividing by zero is undefined? 2. The problem with dividing zero by | 1. Algebra foundations: Unit test 2. Why we do the |

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| | <ol style="list-style-type: none"> Combining like terms with negative coefficients & distribution | <p>terms with negative coefficients.</p> <ol style="list-style-type: none"> Combining like terms with negative coefficients & distribution Combining like terms with rational coefficients | <p>expressions</p> <ol style="list-style-type: none"> Equivalent expressions Algebra foundations Quiz #2 | <p>zero</p> <ol style="list-style-type: none"> Undefined & indeterminate expressions | <p>same thing to both sides: Variable on both sides</p> <ol style="list-style-type: none"> Intro to equations with variables on both sides |
| <p>Week 3: 07/06-07/10</p> | <ol style="list-style-type: none"> Equations with variables on both sides: $20-7x=6x-6$ Equation with variables on both sides Equation with variables on both sides: fractions Equation with variables on both sides: decimals & fractions Equation with the variable in the denominator | <ol style="list-style-type: none"> Equations with parentheses Equations with parentheses Equations with parentheses: decimals & fractions Multi-step equations review | <ol style="list-style-type: none"> Solving equations & inequalities: Quiz 1 Number of solutions to equations Worked example: number of solution to equations | <ol style="list-style-type: none"> Number of solutions to equations Creating an equation with no solutions Creating an equation with infinitely many solutions | <ol style="list-style-type: none"> Number of solutions to equations challenge Linear equations with unknown coefficients Linear equations with unknown coefficients |
| <p>Week 4: 07/13-07/17</p> | <ol style="list-style-type: none"> Solving equations & inequalities: Quiz 2 Inequalities with variables on both sides Inequalities with variables on both | <ol style="list-style-type: none"> Multi-step inequalities Multi-step linear inequalities Compound inequalities: OR | <ol style="list-style-type: none"> Compound inequalities: AND Compound inequalities A compound inequality with no solutions | <ol style="list-style-type: none"> Compound inequalities examples Compound inequalities review Solving equations & inequalities: Quiz 3 | <ol style="list-style-type: none"> Solving equations & inequalities: Unit test Intro to slope Positive & negative slope |

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| | sides (with parenthesis) | | 4. Double inequalities | | |
| Week 5: 07/20-07/24 | <ol style="list-style-type: none"> 1. Worked example: slope from graph 2. Slope from graph 3. Graphing a line given point and slope | <ol style="list-style-type: none"> 1. Graphing from slope 2. Calculating slope from tables 3. Slope in a table 4. Worked example: slope from two points | <ol style="list-style-type: none"> 1. Slope from two points 2. Slope review 3. Linear equations & graphs: Quiz 1 4. Slope of a horizontal line | <ol style="list-style-type: none"> 1. Horizontal & vertical lines 2. Horizontal & vertical lines 3. Intro to intercepts | <ol style="list-style-type: none"> 1. x-intercept of a line 2. Intercepts from a graph 3. Intercepts from an equation |
| Week 6: 07/27-07/31 | <ol style="list-style-type: none"> 1. Intercepts from an equation 2. Intercepts from an equation 3. Intercepts from an equation 4. Intercepts from a table | <ol style="list-style-type: none"> 1. Intercepts from a table 2. Intercepts of lines review (x-intercepts and y-intercepts) 3. Linear equations & graphs: Quiz 2 | <ol style="list-style-type: none"> 1. Slope, x-intercept, y-intercept meaning in context 2. Slope and intercept meaning in context 3. Using slope and intercepts in context. | <ol style="list-style-type: none"> 1. Slope and intercept meaning from 2. Finding slope and intercepts from tables 3. Linear equations word problems: tables 4. Linear equations word problems: graphs | <ol style="list-style-type: none"> 1. Linear functions word problem: fuel 2. Graphing linear relationships word 3. Linear equations & graphs: Quiz 3 4. Linear equations & graphs: Unit Test. |