

## Getting Ready for Math 10C

The purpose of this handout is to help strengthen the foundational skills necessary for success in Math 10C. Students can access the exercises by clicking on the link instead of typing in all the URL's. These links are for the Khan Academy website. It is not necessary to join or log in or pay any fees to use these links. Each link is to a set of exercises that the student can work through. Once he or she has five correct responses in a row, the program will indicate that they can move on to the next level. They should go to the next link on the sheet and not the next lesson on the website. There are instructional videos to watch if the student is unsure how to do the exercises. It is not necessary to do all of the exercises on the website, **only the ones indicated on the sheet.**

Please do these exercises without a calculator.

### A: Fractions

Simplifying Fractions

[https://www.khanacademy.org/math/arithmetic/fractions/Equivalent\\_fractions/e/simplifying\\_fractions](https://www.khanacademy.org/math/arithmetic/fractions/Equivalent_fractions/e/simplifying_fractions)

Adding Fractions

[https://www.khanacademy.org/math/arithmetic/fractions/Adding\\_and\\_subtracting\\_fractions/e/adding\\_fractions](https://www.khanacademy.org/math/arithmetic/fractions/Adding_and_subtracting_fractions/e/adding_fractions)

Subtracting Fractions

[https://www.khanacademy.org/math/arithmetic/fractions/Adding\\_and\\_subtracting\\_fractions/e/subtracting\\_fractions](https://www.khanacademy.org/math/arithmetic/fractions/Adding_and_subtracting_fractions/e/subtracting_fractions)

Adding and Subtracting Fractions

[https://www.khanacademy.org/math/arithmetic/fractions/Adding\\_and\\_subtracting\\_fractions/e/adding\\_and\\_subtracting\\_fractions](https://www.khanacademy.org/math/arithmetic/fractions/Adding_and_subtracting_fractions/e/adding_and_subtracting_fractions)

Multiplying Fractions

[https://www.khanacademy.org/math/arithmetic/fractions/multiplying\\_fractions/e/multiplying\\_fractions](https://www.khanacademy.org/math/arithmetic/fractions/multiplying_fractions/e/multiplying_fractions)

Dividing Fractions

[https://www.khanacademy.org/math/arithmetic/fractions/dividing-fractions-tutorial/e/dividing\\_fractions\\_0.5](https://www.khanacademy.org/math/arithmetic/fractions/dividing-fractions-tutorial/e/dividing_fractions_0.5)

[https://www.khanacademy.org/math/arithmetic/fractions/dividing-fractions-tutorial/e/dividing\\_fractions](https://www.khanacademy.org/math/arithmetic/fractions/dividing-fractions-tutorial/e/dividing_fractions)

[https://www.khanacademy.org/math/arithmetic/fractions/dividing-fractions-tutorial/e/dividing\\_fractions\\_2](https://www.khanacademy.org/math/arithmetic/fractions/dividing-fractions-tutorial/e/dividing_fractions_2)

## **B: Decimals and Percents**

[https://www.khanacademy.org/math/arithmetic/decimals/percent\\_tutorial/e/converting\\_decimals\\_to\\_percents](https://www.khanacademy.org/math/arithmetic/decimals/percent_tutorial/e/converting_decimals_to_percents)

[https://www.khanacademy.org/math/arithmetic/decimals/percent\\_tutorial/e/converting\\_percents\\_to\\_decimals](https://www.khanacademy.org/math/arithmetic/decimals/percent_tutorial/e/converting_percents_to_decimals)

## **C: Negative Numbers**

[https://www.khanacademy.org/math/arithmetic/absolute-value/adding\\_subtracting\\_negatives/e/adding\\_and\\_subtracting\\_negative\\_numbers](https://www.khanacademy.org/math/arithmetic/absolute-value/adding_subtracting_negatives/e/adding_and_subtracting_negative_numbers)

[https://www.khanacademy.org/math/arithmetic/absolute-value/mult\\_div\\_negatives/e/multiplying\\_and\\_dividing\\_negative\\_numbers](https://www.khanacademy.org/math/arithmetic/absolute-value/mult_div_negatives/e/multiplying_and_dividing_negative_numbers)

## **D: Polynomials**

[https://www.khanacademy.org/math/algebra/multiplying-factoring-expression/polynomial\\_basics/e/adding\\_and\\_subtracting\\_polynomials](https://www.khanacademy.org/math/algebra/multiplying-factoring-expression/polynomial_basics/e/adding_and_subtracting_polynomials)

[https://www.khanacademy.org/math/algebra/multiplying-factoring-expression/multiplying\\_polynomials/v/multiplying-monomials-by-polynomials](https://www.khanacademy.org/math/algebra/multiplying-factoring-expression/multiplying_polynomials/v/multiplying-monomials-by-polynomials)

[https://www.khanacademy.org/math/algebra/introduction-to-algebra/manipulating-expressions/e/combining\\_like\\_terms\\_2](https://www.khanacademy.org/math/algebra/introduction-to-algebra/manipulating-expressions/e/combining_like_terms_2)

[https://www.khanacademy.org/math/algebra/multiplying-factoring-expression/multiplying\\_polynomials/v/multiplying-monomials-by-polynomials](https://www.khanacademy.org/math/algebra/multiplying-factoring-expression/multiplying_polynomials/v/multiplying-monomials-by-polynomials)

## **E: Exponents**

[https://www.khanacademy.org/math/arithmetic/exponents-radicals/world-of-exponents/e/exponents\\_1](https://www.khanacademy.org/math/arithmetic/exponents-radicals/world-of-exponents/e/exponents_1)

[https://www.khanacademy.org/math/arithmetic/exponents-radicals/exponent-properties/e/exponent\\_rules](https://www.khanacademy.org/math/arithmetic/exponents-radicals/exponent-properties/e/exponent_rules)

## **F: Algebra Skills -- Basic Equation Solving**

[https://www.khanacademy.org/math/algebra/solving-linear-equations-and-inequalities/equations\\_beginner/e/one\\_step\\_equations](https://www.khanacademy.org/math/algebra/solving-linear-equations-and-inequalities/equations_beginner/e/one_step_equations)

[https://www.khanacademy.org/math/algebra/solving-linear-equations-and-inequalities/equations\\_beginner/e/linear\\_equations\\_2](https://www.khanacademy.org/math/algebra/solving-linear-equations-and-inequalities/equations_beginner/e/linear_equations_2)

[https://www.khanacademy.org/math/algebra/solving-linear-equations-and-inequalities/basic-equation-practice/e/linear\\_equations\\_3](https://www.khanacademy.org/math/algebra/solving-linear-equations-and-inequalities/basic-equation-practice/e/linear_equations_3)