Using Khan Academy to Prep for the Accuplacer

Create an account

- Go to Khan Academy.org to create an account.
  - The easiest way to sign up is with your e-mail address, but you can also use your Facebook or Google account.
  - After clicking on the method you choose, follow the on-screen directions
  - It is ***very important*** that you be logged into your Khan Academy account when working in the system. If you are not logged in, you will not be able to track your own progress.

Taking the Khan Academy Pre-test

- If you have set up a new account, you will be presented with a pre-test.
- You can take the pre-test for your own information, **but** here are some important tips.
  - Don't worry about how you do on the pre-test. It's only there so the Khan Academy system can help you decide what to learn next.
  - **Important Note:** Instead of following the Khan Academy recommendations for what to practice next, ***Use the links provided for you on this document.*** They are the exact skills you will need to brush-up on your math.

How to watch the Videos

- If you think you can complete a Practice Exercise without watching the instructional video, you can do so.
- While watching videos it is important to do more than just passively watch.
  - Pause and re-wind, take notes, if you don't understand something, write down questions.

How to work with Practice Exercises

- You will need to answer five questions correctly in a row for the Khan Academy system to see that you have practiced a topic.
- If you get stuck take the Hints that are available to you on the screen.

How to check your progress

- From your Khan Academy homepage (***The Learning Dashboard***) click on **Skill Progress** located in the column of choices along the left hand side of your Learning Dashboard.
- The Skill Progress report will show you what topics you have Practiced, Mastered, or are Struggling with.
- Review the instructional videos (or sources other than Khan Academy) to help you understand topics you are struggling with.
- Explore all of the other great student progress tracking tools provided for you on the Khan Academy site.

Course Topic	Khan Videos	Khan Practice Sets	✓
Adding/Subtracting Integers	Adding Integers With Different Signs Adding Negative Numbers	Adding Negative Numbers Adding and Subtracting Negative Numbers	
Multiplying/Dividing Integers	Multiplying Positive and Negative Numbers Dividing Positive and Negative Numbers Multiplying Numbers With Different Signs	Multiplying and Dividing Negative Numbers Negative Number Word Problems	
Rounding Numbers	Rounding Decimals	Rounding Numbers	
Number Line	Points on a Number Line Positive and Negative Decimals on a Number Line	Decimals on the Number Line 1 Decimals on the Number Line 2 Decimals on the Number Line 3	
Square Roots	Approximating Square Roots	Square Roots Estimating Square Roots	
Fractions	Identifying Fraction Parts Understanding Fractions as Division **(conceptual help)**	Recognizing Fractions Fraction Word Problems **(conceptual help)**	
Ordering Fractions	Plotting Fractions on the Number Line	Fractions on the Number Line	
Adding/Subtracting Fractions	Adding and Subtracting Fractions Adding Fractions with Different Signs	Adding and Subtracting Fractions	

Multiplying Fractions	Multiplying Fractions Multiplying Negative and Positive Fractions	Multiplying Fractions	
Dividing Fractions	Dividing Fractions Example Dividing Fractions by Fractions	Dividing Whole Numbers by Fractions Dividing Fractions by Fractions	
Place Value	Decimal Place Value Comparing Decimal Place Value	Understanding Decimal's Place Value Comparing Decimal Place Value	
Adding/Subtracting Decimals	Adding Decimals 1 Adding Decimals 2 Adding Decimals 3 Subtracting Decimals	Adding Decimals 1 Adding Decimals 2 Subtracting Decimals 1 Subtracting Decimals 2	
Multiplying/Dividing Decimals	Multiplying Decimals Multiplying Decimals- More Involved Dividing Decimals Dividing Decimal Numbers	Multiplying Decimals 1 Multiplying Decimals 2 Multiplying Decimals 3 Dividing Decimals 1 Dividing Decimals 2 Dividing Decimals 3	
Solving Percent Problems	Describing the Meaning of Percent Taking Percentages Percent Word Problems	Percentage Word Problems 1	
Equating Decimals, Percents, Fractions	Representing a Number as a Decimal, Percent, and Fraction	Converting Decimals to Fractions 1 Converting Decimals to Percents Converting Percents to Decimals	

Writng and Solving Proportions	Writing Proportions Finding an Unknown in a Proportion Using Proportions to Solve Problems	Writing Proportions Solving Proportions 1 Using Proportions to Solve Problems	
Simplifying Rates and Ratios	Simplifying Rates and Ratios	Ratio Word Problems	
Real Numbers			
Absolute Value	Absolute Value and Number Lines Absolute Value Word Problems	Finding Absolute Value Absolute Value Word Problems	
Order of Operations/Simplifying Exp.	Order of Operations 1 Order of Operations- More Complicated	Order of Operations Order of Operations with Negative Numbers	
Exponents and Roots			
Multiplying/Dividing Monomials	Multiplying and Dividing Monomials 1 Multiplying and Dividing Monomials 2 Multiplying and Dividing Monomials 3	Simplifying Rational Expressions 1	
Evaluating Rational Exponents/Roots	Radical Equivalent to Rational Exponents Simplifying with Exponent Properties Negative Fractional Exponent Examples	Understanding Fractional Exponents Manipulating Fractional Exponents Negative Fractional Exponents	

Polynomials			
Adding/Subtracting Polynomials	Adding and Subtracting Polynomials 1 Adding Polynomials With Multiple Variables	Adding and Subtracting Polynomials	
Multiplying Polynomials	Multiplying Binomials Multiplying Polynomials	Multiplying Polynomials Multiplying Binomials 1 Multiplying Binomials 2	
Distributive Property	Multiplying Monomials by Polynomials		
Factoring Polynomials	Factoring Quadratic Expressions Factoring Polynomials 1 Factoring Trinomials With a Common Factor Factoring Difference of Squares	Factoring Polynomials 1 Factoring Polynomials With Two Variables Factoring Difference of Squares 2	
Solving Equations and Inequalities			
Solving Linear Equations	Solving One-Step Equations Two-Step Equations Multi-Step Equation Example Solving Equations With the Distributive Property	One-Step Equations 2-step Equations Multi-Step Equations With Distribution	
Solving Linear Inequalities	One-Step Inequalities Interpreting Inequalities with Examples Multi-Step Inequalities 3	One-Step Inequalities Multi-Step Linear Inequalities	
Solving Quadratics by Factoring	Solving a Quadratic by Factoring Recognizing a Perfect Square Quadratic	Solving Quadratics by Factoring Solving Quadratics by Factoring 2	

Graphing Quadratics	Graphing a Quadratic Function Graphs of Quadratic Functions	Graphs of Quadratic Functions Graphing Parabolas in Vertex Form	
Graphs and Linear Functions			
Word Problems with Linear Equations	Basic Linear Equation Word Problems	Linear Equation Word Problems	
Geometry and Measurement			
Scale and Measurement	Interpreting Scale Drawings Constructing Scale Drawings	Interpreting Scale Drawings Constructing Scale Drawings	
Area, Perimeter, Circumference	Perimeter and Area Basics Finding Dimensions from Area and Perimeter Radius, Diameter and Circumference Area of a Circle	Area of Triangles 1 Area of Triangles 2 Area of Squares and Rectangles Perimeter 1 Perimeter of Squares and Rectangles Radius, Diameter and Circumference Area of a Circle Shaded Areas	
Pythagorean Theorem	The Pythagorean Theorem Intro Pythagorean Theorem 2	Pythagorean Theorem	