



7th Grade Summer Math Packet

Khan Academy - Get Ready for 7th Grade

Students,

Your summer work this year will be watching videos and taking mini-assessments at Khan Academy. I have assigned work at khanacademy.org for you to complete throughout the summer. Attached to this letter, you will find a printed list of assignments. The yellow spaces are for recording scores and parent initials.

Follow these instructions to access your assignments:

1. Go to khanacademy.org/join
2. Enter this class code: **VQPBDPE**
3. Click "Create a new account"
4. Enter your birthdate
5. If you remember your school login and password, "Sign up using Google," and enter the requested information. Go to Step 7).

1. If you do not remember your school login or password, "Sign up by creating a username," and enter the requested information. If you use this option, I insist that you create a username that allows me to know who is completing the work. Also, **WRITE THE NEW ACCOUNT INFORMATION DOWN** so that if you go somewhere other than home during the summer and want to complete some work there, you have what you need.

1. Click "Continue" and your assignment page will come up.

UNDER NO CIRCUMSTANCES are you to create a second account at any point this summer. If you forget your login information, email me at kquinby@saintrose.org and I will reset your password and send that and your username to you.

Remember, I will be able to see your progress throughout the summer. Please do not wait until the last minute to begin these assignments. Make a plan for completing the work, taking into account already-scheduled time that you will be away from home. Go through the assignments in order, and have your parents initial when you have watched the videos and completed the exercises. Be sure to write the score you received on each exercise in the appropriate box on the sheet. The completed spreadsheet is due on the first full day of class and will count as your first **test** grade (I will be cross-checking the paper with the information I can see at the website on my teacher dashboard.) There will be a **quiz** over the summer work during the first week of school.

If you begin early, you will not have to fret about getting everything done. You can do this the hard/easy way (buckle down, start early, stay steady, be done and have nothing left to do for the couple of weeks before school starts), or the easy/hard way (forget about the work till the last minute, panic, spend several days at the end of your summer doing nothing but math.)

Enjoy your summer, and I will see you in August!

Mrs. Quinby

Unit 1 - Get ready for negative number operations

Lesson 1 - Introduction to negative numbers

	Item to complete	Your Score	Out of	Parent initials
Introduction to negative numbers	Video			
Negative numbers on the number line	Exercise		7	
Interpreting negative numbers	Exercise		7	

Lesson 2 - Negative symbol as opposite

	Item to complete	Your Score	Out of	Parent initials
Negative symbol as opposite	Video			
Negative symbol as opposite	Exercise		4	
Number opposites	Video			
Number opposites	Exercise		7	

Lesson 4 - Absolute value

	Item to complete	Your Score	Out of	Parent initials
Absolute value examples	Video			
Finding absolute values	Exercise		7	
Comparing absolute values	Video			
Compare and order absolute values	Exercise		7	

Lesson 5 - Adding and Subtracting Fractions with unlike denominators

	Item to complete	Your Score	Out of	Parent initials
Adding fractions with unlike denominators	Video 1			
Adding fractions with unlike denominators	Video 2			
Adding fractions with unlike denominators	Exercise		7	
Subtracting fractions with unlike denominators	Video 1			
Subtracting fractions with unlike denominators	Video 2			
Subtracting fractions with unlike denominators	Exercise		7	

Lesson 6 - Multiplying fractions

	Item to complete	Your Score	Out of	Parent initials
Multiplying fractions	Video			
Multiplying fractions	Exercise		7	
Multiplying mixed numbers	Video			
Multiplying mixed numbers	Exercise		4	

Lesson 8 - Dividing Fractions

	Item to complete	Your Score	Out of	Parent initials
Understanding division of fractions	Video			
Dividing fractions	Video 1			
Dividing fractions	Video 2			

Dividing fractions	Exercise	<input type="text"/>	4	<input type="text"/>
Dividing mixed numbers	Video			<input type="text"/>
Dividing mixed numbers	Exercise	<input type="text"/>	4	<input type="text"/>

Unit 2 - Get ready for fractions, decimals, and percentages

Lesson 2 - Percent problems

	Item to complete	Your Score	Out of	Parent initials
Finding a percent	Video			<input type="text"/>
Percent of a whole number	Video			<input type="text"/>
Finding percents	Exercise	<input type="text"/>	7	<input type="text"/>

Unit 3: Get ready for rates and proportional relationships

Lesson 1 - Equivalent ratios

	Item to complete	Your Score	Out of	Parent initials
Equivalent ratios	Video			<input type="text"/>
Equivalent ratios	Exercise	<input type="text"/>	4	<input type="text"/>
Understanding equivalent ratios	Video			<input type="text"/>
Equivalent ratios in the real world	Exercise	<input type="text"/>	4	<input type="text"/>
Understanding equivalent ratios in the real world	Exercise	<input type="text"/>	4	<input type="text"/>

Lesson 3 - Intro to rates

	Item to complete	Your Score	Out of	Parent initials
Intro to rates	Video			<input type="text"/>
Solving unit rate problem	Video			<input type="text"/>
Solving unit price problem	Video			<input type="text"/>
Unit rates	Exercise	<input type="text"/>	7	<input type="text"/>
Rate problems	Video			<input type="text"/>
Rate problems	Exercise	<input type="text"/>	4	<input type="text"/>

Unit 4: Get ready for expressions, equations, and inequalities

Lesson 1 - Distributive property with variables

	Item to complete	Your Score	Out of	Parent initials
Intro to combining like terms	Video			<input type="text"/>
Distributive property over addition	Video			<input type="text"/>
Distributive property over subtraction	Video			<input type="text"/>
Distributive property with variables	Video			<input type="text"/>
Distributive property with variables	Exercise	<input type="text"/>	4	<input type="text"/>
Factor with distributive property (variables)	Exercise	<input type="text"/>	4	<input type="text"/>

Lesson 2 - Combining like terms

	Item to complete	Your Score	Out of	Parent initials
Combining like terms	Video			<input type="text"/>
Combining like terms example	Video			<input type="text"/>
Combining like terms	Exercise	<input type="text"/>	4	<input type="text"/>

Lesson 3 - Equivalent expressions

	Item to complete	Your Score	Out of	Parent initials
Equivalent expressions	Video			
Equivalent expressions	Exercise		7	

Unit 5: Get ready for geometry

Lesson 1: Decomposing angles

	Item to complete	Your Score	Out of	Parent initials
Decomposing an angle	Video			
Decomposing angles	Video			
Decompose angles	Exercise		7	

Lesson 2: Area of parallelograms and triangles

	Item to complete	Your Score	Out of	Parent initials
Area of a parallelogram	Video			
Area of parallelograms	Exercise		4	
Area of a triangle	Video			
Finding area of triangles	Video			
Area of triangles	Exercise		7	

Unit 6: Get ready for statistics and probability

Lesson 1: Statistical questions

	Item to complete	Your Score	Out of	Parent initials
Statistical questions	Video			
Statistical questions	Exercise		7	

Lesson 2: Shape of data distributions

	Item to complete	Your Score	Out of	Parent initials
Shapes of distributions	Video			
Shapes of distributions	Exercise		4	
Clusters, gaps, peaks, and outliers	Video			
Clusters, gaps, and peaks in data distributions	Exercise		7	

YOU ARE DONE!!!