

2018 Middle School Summer Math Activities (Grades 7 and 8)

A. Basic Facts: (60 minutes)

Any activities such as flash cards, worksheets, or computer games that help you improve your accuracy and fluency of the basic math facts for adding, subtracting, multiplying or dividing.

Basic Skills Practice:

www.math.com

Practice your addition, subtraction, multiplication, and division skills. You can set the range of numbers to work with a specific skill or all skills randomly.

www.thatquiz.org

This practice site lets you choose the level. Start with what you can do well and then make it more challenging.

www.coolmath.com

This is a good basic skills practice site.

www.arithmetic.zetamac.com

Set your range and drill those facts (the range can also be negative numbers)

B. Castle Learning (60 minutes) **CASTLE LEARNING MUST BE COMPLETED BY AUGUST 10th !**

Every student should have a log-in and password for **Castle Learning** on line. You are required to complete the **3** vocabulary packets and **3** skill tests assigned. *Please do the vocabulary packets before the tests!!*

C. Applied Math and Problem Solving: (60 minutes)

Any activity such as worksheets, computer games, story problems that require students to do math: adding, subtracting, multiplying, and dividing without a calculator. This is beyond the basic facts. **If you print out any worksheets to complete, please attach.** Please work on fractions, decimals and integers!!

www.aplusmath.com or www.abcteach.com

click on worksheet builder, create a worksheet, print out, do work, correct

D. Math Games: (60 minutes)

Many board games require students to use logic and/or math skills. Consider games like Monopoly, checkers, chess, cribbage, various card games etc. Any game that requires counting and/or strategies would count. **These would be hands-on activities done with other people. Not computer or video games.**

E. Real Life Math: (60 minutes)

This is any activity which requires calculations that would occur in daily home life such as figuring the checkbook, paying bills, making a budget, planning a trip (mileage) etc.

www.coolmath-games.com/lemonade

- Calculating the cost of a road trip your family will take this summer. Using the gas mileage of your car and the cost of gas, would it be cheaper to drive or fly? What are the costs?
- Track the gas prices this summer. Choose a gas station near your house. Every time you pass this gas station, record the price of the gas. Graph this information. Do you notice any trend over the summer as you graph the results? Is there a constant, steady change or are there more dramatic changes?
- Make a floor plan of your bedroom...use proportional measures.
- Using measurement in cooking and baking (Bake a cake! Make dinner!)
- Plan a party (birthday, holiday, baby shower, etc.) and keep track of costs for food, decorations, etc.



Name _____

Grade _____

Middle School Summer Math 2018

For students entering grades 7 & 8

Maintaining and improving math skills over the summer is just as important as summer reading. This year I am asking that all middle school students complete a summer math log. Students can participate in **several different types of math activities** listed on the next page. They need to do a variety of activities. Just doing math games won't cut it. They will log the type of activity, a brief description of the activity, and the amount of time spent on the activity.

The parent will need to initial each activity.

There are more than ten weeks of summer! Students are required to complete **300 minutes** of time doing math activities. The time can certainly be spread out to best fit your schedule, but there should be at least one entry per week. Students should spend **about 30 minutes each week** with their math activities. Students will be given a math grade for their math class based on the number of minutes completed. For example, 330 minutes will be 100%! 250 minutes will be 83%, etc.

They will also be given grades on their Castle Learning assignments...all tests must be completed! All work will be assigned by Friday, June 8th. **Castle Learning must be completed by August 10th !!!** Log in reminder: For most students log in is 'dh.' followed by the first 3 letters of their first name and the first 6 letters of their last name. All passwords have been deleted, so create a new one! If you forget your password, email me at the address below. I will delete your current password and when you log in, hit enter and it will take you to the page to create a new password.

There are five different categories of math activities.
Students must do each category at least three times!!!!!!

The Math Log is due the first day of school (August 27th)! Don't forget it!

Mrs. Diane Memmi

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Name _____ Grade _____

Middle School Math Log – 2018

Date	Type of Activity	Specific Activity Description	Amount of time	Parent Initial
date	Ex. (D) Math Games	Played chess with my brother	25 minutes	<i>ABC</i>
	(A) Basic Facts			
	(A) Basic Facts			
	(A) Basic Facts			
	(B) Castle Learning			
	(B) Castle Learning			
	(B) Castle Learning			
	(C) Applied Math			
	(C) Applied Math			
	(C) Applied Math			
	(D) Math Games			
	(D) Math Games			
	(D) Math Games			
	(E) Real Life Math			
	(E) Real Life Math			
	(E) Real Life Math			

Total time in minutes (300 minutes required) _____

My child has completed the number of minutes stated above doing math activities.

Parent Signature _____ Date _____

Print out more log pages, as needed! Also, on school Website

