

Atlantis Charter School

Summer Math Review 2010

For students entering Grade 6
(use 5th grade math topics)

Dear Parents,

It has been a successful year at Atlantis Charter School with our math programs and we are excited about the gains your child has made. Research shows students easily lose a couple of months' worth of math skills during the long summer break. To help students keep on top of what they have learned throughout the course of the year, a *Summer Math Review* packet is attached.

While there is no one best way to complete this packet, I have some guidelines. I suggest that you pace yourself, fit the work into your summer schedule, and complete the packet over several weeks. Your time and effort will be **less helpful** (really!) if you finish in a day or two.

You will be using **Grade 5 topics** from Study Island (to complete the first part of your packet). You will complete 5 (five) out of 9 (nine) topics and record your progress on the log provided. More detailed instructions are provided on the next page. If you do not have access to Study Island, visit the Main Office at the Upper School to get a hard copy. The second part of your packet requires you to complete 1 (one) open response question with a graphic organizer. Any open response question not accompanied by a full and complete graphic organizer will be scored as a zero.

A completed packet is expected from each student by the end of the first week of school, **Friday, September 3, 2010**. It will build points toward your first semester math report card grade. Any student who fails to complete the entire summer math assignment by **September 3rd** will receive a grade of zero (0).

Sincerely,

Nancy Ashworth
ACS Math Teacher

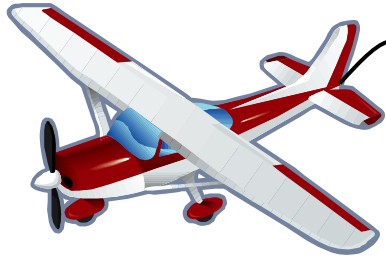
What Parents Can Do To Help Their Children:

Summer Math Review

- Talk to your children about the importance of mathematics to future success. Mention the way mathematics is used in all careers.
- Math is everywhere, even in music, art, and sporting events. Parents are the first and most important teachers to help open a child's eyes to the beauty of mathematics.
- Let your children help compute the cost of items while shopping. They can practice estimation, compute the amount of change expected, etc.
- Younger children can count the items in the grocery cart to see which aisle you should wait in. Older children can compute the sales tax and help add the bills when they arrive each month.
- Promote measurement activities, such as cooking together. Reading the indoor and outdoor thermometer and tracking the changes is another worthwhile activity.
- Look for ways to practice telling time, practicing elapsed time, and scheduling events. For example, if you are going on a trip and it will take 4 hours to get there, what time should you leave if you want to arrive by 2:00 pm? If you are going to stop for an hour to eat lunch, will that impact your departure or arrival time? Questions like this can pop up every day if you keep them in mind.
- Buy an inexpensive analog watch for your child and help them practice telling time. You might want to make it a waterproof watch!
- If you go to the amusement park you can talk about how math is involved in the rides, the price of tickets, and the concession stand.
- Encourage your children's interest in mathematics and let them know they can succeed!

Your trip to Study Island begins today!

Logon to www.studyisland.com and enter the following:



Username:

Password:

Follow the instructions below, in order to use the program and complete your packet:

1. Go to www.studyisland.com
2. Enter your username and password, and click “Login”.
3. Click on the **Grade 5** - Math section tab.
4. Choose one of the topics below ~ you will need to complete five topics in order to fulfill the *Summer Math Review* requirements.
 - Place Value
 - Fractional Parts of Objects
 - Fractions, Decimals & Percents
 - Number Lines
 - Compare & Order Fractions
 - Compare & Order Decimals
 - Multiplication & Division
 - Estimate Solutions
 - Real World Problems
5. View the lesson prior to answering the questions.
6. To pass a topic, you must satisfy the topic’s passing requirements ~
 - 20 questions in either test or game mode
 - Minimum percentage correct of 80%.
7. Fill in log ~
 - Date Completed ~ Write in Actual Date Topic Completed
 - Topic Name ~ One of the Nine Listed Above
 - Test Mode ~ Yes or No
 - If Game Mode, Write Name of Game
 - Score ~ Must be 80% or Higher
 - Parent Signature ~ Once Topic is Mastered, Have a Parent Sign

STUDENT NAME: _____



SUMMER MATH REVIEW LOG

	Due Date Date Completed	Topic Name	Test Mode (Yes or No)	Game Mode Name of Game	Score	Parent Signature
1	Week of July 5 th _____					
2	Week of July 12 th _____					
3	Week of July 19 th _____					
4	Week of July 26 th _____					
5	Week of August 2 nd _____					
OR	Week of August 9 th _____	Open Response	N/A	N/A	N/A	

Extra Credit ~ Fill in the chart below for any additional topics you master!

	Date	Topic Name	Test Mode (Yes or No)	Game Mode Name of Game	Score	Parent Signature
EC						
EC						
EC						
EC						
EC						

OPEN RESPONSE QUESTION: Use your graphic organizer to organize your thinking. Show and explain your answer.

Jillian has a rowing machine. The table below lists the number of calories she burns when she exercises on her rowing machine.

**Calories Burned
Exercising on
Rowing Machine**

Minutes Exercised	Calories Burned
10	70
20	140
30	210

- Based on the data in the table, what is the total number of calories that Jillian burns in 1 minute? Show or explain how you got your answer.
- Based on your answer to part (a), what is the total number of calories that Jillian will burn if she exercises on her rowing machine for 25 minutes? Show or explain how you got your answer.
- Based on your answer to part (a), what is the total number of minutes that Jillian exercised if she burned 385 calories? Show or explain how you got your answer.

What am I trying to find?	What labels do I need to apply?	What information do I need?	What math am I going to use to solve this problem?	How do I set it up?