

**Atlantis Charter School**  
**Summer Math Review 2010**  
For students entering Grade 7  
(Use 6<sup>th</sup> 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 6 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.

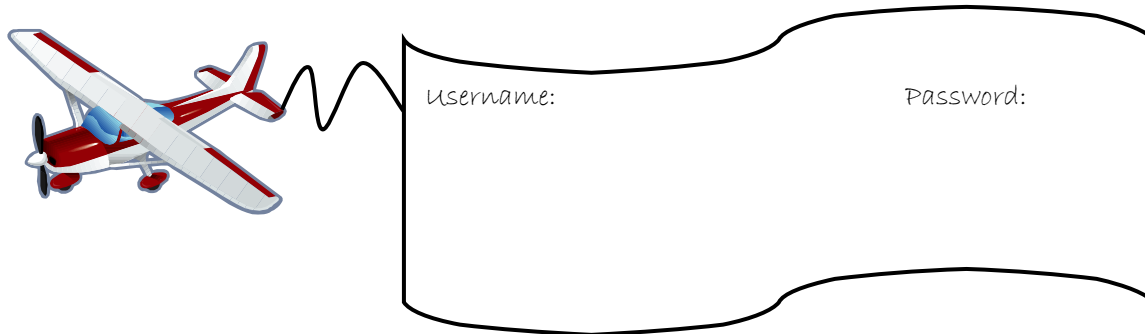
A completed packet is expected from each student by the end of the first week of school, **Friday, September 3, 2010**. It will build points toward your first semester math report card grade. Any student who fails to complete the entire summer math assignment by **September 3<sup>rd</sup>** will receive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

Sincerely,

Kelley Meinholt  
ACS Math Teacher

# Your trip to Study Island begins today!

Logon to [www.studyisland.com](http://www.studyisland.com) and enter the following:



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

1. Go to [www.studyisland.com](http://www.studyisland.com)
2. Enter your username and password, and click "Login".
3. Click on the **Grade 6** - 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.
  - Exponents
  - Number Lines
  - Fractions, Decimals, Percents
  - Real World Problems
  - Number Patterns
  - Number Sentences
  - Perimeter, Area, Volume
  - Circles
  - Mean, Median, Mode, Range
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



# STUDY ISLAND

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 <sup>th</sup> _____					
2	Week of July 12 <sup>th</sup> _____					
3	Week of July 19 <sup>th</sup> _____					
4	Week of July 26 <sup>th</sup> _____					
5	Week of August 2 <sup>nd</sup> _____					
OR	Week of August 9 <sup>th</sup> _____	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						

## 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.
- Math is also recognizing patterns. Look for patterns in nature (leaves shapes, shells, strings of beads, seeds in fruit and vegetables) and in day-to-day life (sports, daily routines, design of cars and electronics, music - melodies, beats).
- 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!

## Open Response

**Reporting Category: Patterns, Relations, and Algebra**

**Standard: 6.P.4**

Lucinda earns \$20 each week. She spends \$5 each week and saves the rest. The table below shows the total amount that she saved at the end of each week for 4 weeks.

**Lucinda's Savings at the End of Each Week**

<b>Week</b>	1	2	3	4
<b>Total Amount Saved</b>	\$15	\$30	\$45	\$60

Lucinda continues to save at the same rate.

- What will be Lucinda's total amount saved at the end of 7 weeks? Show or explain how you got your answer.
- Use numbers, words, or symbols to write an expression that represents Lucinda's total amount saved at the end of  $n$  weeks.
- How many weeks will it take for Lucinda to save \$300? Show or explain how you got your answer.

Open Response Graphic Organizer

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