

Holland Hill Summer Math Challenge

Grades 1-2

June 2015

Dear Holland Hill Parents,

As the end of the school year approaches, we begin to think about all of our summer plans and activities. During the summer, it is also important to keep up with our mathematical thinking skills to be prepared and ready for the next grade. So, this summer, we invite you to participate in a summer challenge, DO MATH!

Math is done everyday in our lives and sometimes without even realizing it! We budget our money, we play board games, do puzzles, play cards, estimate, schedule our lives, plan routes, plant gardens, do home improvement projects, cook and much more.

This summer, we challenge you and your family to think about and do math in meaningful ways. Pay attention to all of the opportunities there are to take advantage of mathematical thinking! If you are looking for some ideas you will find suggestions on the back of this sheet.

To participate in the HH Summer Math Challenge simply keep track of all the math activities you do each week on the attached log. Return the log to your teacher by September 11th.

Thank you for your support as you continue to encourage your child's mathematical growth over the summer months. Your positive attitude towards math, help in setting up a comfortable, quiet work space for your child and your assistance when your child needs support are beneficial in growing young mathematicians!

Have a safe and enjoyable summer!

Sincerely,

Lynne Fuchs
Math Science Teacher

Holland Hill Summer Math Challenge

Primary Suggestions:

- Number a paper from 1-12 for each player. Roll two dice and either add or subtract the numbers on your dice. Cross out that number on your paper. Then let your partner roll. Take turns rolling the dice, and adding and subtracting. The first person with all of the numbers crossed out is the winner.
- Race to \$1.00 Each player needs 10 pennies, 9 dimes, \$1.00 and a die. Take turns rolling the die to collect that many pennies. When you've collected ten pennies, trade them in for a dime. Continue until someone reaches a dollar. Variation: Race to Zero: Play the same way as above but start with a \$1.00, and roll to subtract. The first person to reach zero wins.
- Play Store: Give your child 1 quarter, 3 dimes, 4 nickels, and 9 pennies. Tag a selection of small toys with prices under \$0.84. Take turns counting out the correct coins to buy different items at the store. Ask: Which costs the most? The least?
- Make Pattern Pasta Jewelry: Dye pasta with a little rubbing alcohol and a drop of food coloring and shake in a zip lock gallon bag. Practice counting by twos, fives and tens. Think of different ways to sort the pasta (color, shape, texture). Finally, create a necklace by stringing the pasta in a repeating pattern.
- Skip count with your child by 2s, 5s and 10s
- Practice the facts: play card games like "Double War" where it's just like War but each player throws down two cards and adds them both. The player with the highest sum, gets that hand. If there are equal sums, it's Double War!
- Cook together and focus on measuring, counting, estimating and keeping track of time.
- Sort laundry, silverware, toys, shells on the beach, etc to improve classification skills. Talk about the rules for sorting.
- Tell time using analog clocks.
- Countdown to the first day of school! Use a calendar and count back how many days left until the first day of school.
- Think of different ways to break a number apart. For example, the number twelve can be broken into one plus eleven, or two plus ten, or three plus nine, etc.

Games To Play:

- Crazy Eights
- Monopoly
- Connect Four
- Puzzles
- Checkers and Chinese Checkers
- Chutes and Ladders
- Card Game: War