

Holland Hill Summer Math Challenge

Grades 3-5

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!

One way your child can participate in the HH Summer Math Challenge is to complete the Summer Math Packet that Fairfield Public Schools has created for students entering grades 3-6. This has served to provide students with continued math practice over the summer months, and to provide a comprehensive review before beginning the next school year.

In addition to the Summer Math Packet it is also important for your child to continue practice of their basic math facts. This can be done through computer games available online, using flash cards, or even orally as you are travelling to your favorite vacation spot!

If your child is looking for more math to do after they complete their Summer Math Packet some suggestions can be found 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 and your Summer Math Packet to your teacher by September 11th.

A few notes:

- Summer math packets for students entering grades 3, 4 and 5 are available online through the Fairfield Public Schools website: <http://fairfieldschools.org/>

Click on “Summer Math” under Hot Downloads and Links on the home page, and then scroll down to the bottom of the screen and click on the link entitled “Summer Math Learning Packets”.

- A few hard copies for each grade level are available at the main office for anyone who needs it.
- Packets for students entering grades 3, 4 and 5 will be due back to your child’s classroom teacher in the fall.

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

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Intermediate Suggestions:

- For Students Entering Grades 3-6: Fairfield Public Schools Summer Math Packet on the school website: <http://fairfieldschools.org>
- How much is your name worth? Assign each letter in the alphabet a monetary value (e.g., a = \$1.00, b = \$2.00 or a = 25¢, b = 50¢, c = 75¢, etc). Whose name is the most expensive in your family? The least expensive?
- Keep a record or log of how many hours you and your family watch television each week. At that rate, figure how much in a month? The summer? Compare this data to how much time you spend running and playing in the fresh air.
- Use store flyers to write the grocery list with a given amount of money.
- Plan schedules using elapsed time. Create a schedule if you go away on vacation- plan the activities for your family and estimate how long each activity will take. Create an expense budget for your family.
- Decide which route to take to a destination relative to time and distance (using a map and not the GPS!).
- Save and budget money.
- Practice your addition, subtraction, multiplication and division facts by playing games like Double War with addition, subtraction and multiplication.
- Tell time using analog clocks
- Do jigsaw puzzles and thinking games like Mastermind and Othello
- Read the newspaper or magazines and find examples of large numbers and numbers represented by percents, decimals or fractions. Make a list of all the numbers you found and put them in order from least to greatest.
- Create a game (board game, dice game, logic game) of your own! Write up the directions and bring it to school to share with your class in September!
- Whenever you see or hear a number, try and think of at least one different way to express it numerically. For example: Your mom tells you that you have **10** minutes before your swim lesson. How many ways can you express the number 10? 2×5 , $(30 \div 6) \times 2$, or $(99 - 90) + 1$

Games To Play:

Monopoly, Othello, Battleship, Mancala, Yahtzee, Mastermind