

June 2017

Dear Parents:


Summer is a great time for children to relax and have fun. It is also a wonderful time for parents and children to spend time together reading and developing mathematical concepts in fun and engaging ways. We hope that you will find the enclosed activities and suggestions helpful in sharpening and maintaining mathematical skills over the summer.

On the reverse side of this letter are some ideas of **GAMES** you can do every day with your child. Most of the items on the list are commercial games. They are motivational and, with parent involvement, these games are an excellent way to get your child to communicate concepts while sharpening thinking skills. They also provide an opportunity for discussion and questions; encouraging your child to evaluate answers, draw conclusions and strengthen reasoning skills. Games are a low stress way to engage your child in math while developing necessary skills. You will also find a list of **WEBSITES** that can assist in practicing **BASIC FACTS**. Information regarding national and local grade-level basic fact expectations is also provided.

On the following page you will find a **SUMMER MATH CALENDAR**. For each day your child completes an activity, please initial at the bottom of the box. Activities can be completed in any order. Those students who return completed calendars in September will be included in Dr. Stellar's special raffle!

Have a wonderful summer!

Sincerely,



Jessica Kitchen

K-5 Math Specialist

Hingham Public Schools

GAMES

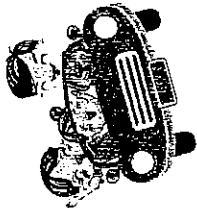
The following list of games, excerpted from *Games and Their Uses in Mathematics Learning* (Sharma, 2008), will help your child sharpen thinking skills, make inferences, draw conclusions, evaluate answers and strengthen reasoning. Beside each title are the skills and concepts that are reinforced.

<ul style="list-style-type: none"> • Simon or Mini Wizard (sequencing, following multi-step directions, visual/auditory memory) • Battleship (spatial orientation, visualization, visual memory) • Cribbage (number relationships, patterns, visual clusters) • Quarto (spatial orientation/space organization, patterns, classification) • Concentration (visualization, pattern recognition, visual memory) • Chinese Checkers (patterns, spatial orientation/space organization) • Pachisi (sequencing, patterns, number relationships) • Checkers (sequencing, patterns, spatial orientation/space organization) • Othello (pattern recognition, spatial orientation, visual clustering, focus on more than one aspect, variable or concept of time) 	<ul style="list-style-type: none"> • Score Four or Connect Four (pattern recognition, spatial orientation, visual clustering, geometric patterns) • Krypto (number sense, basic arithmetical facts) • Kalah or Mankalah (sequencing, counting, estimation, visual clustering) • Master Mind (sequencing, logical deduction, pattern recognition) • Four Sight (spatial orientation, pattern recognition, logical deduction) • Black-Box (logical deduction) • Card Games (visual clustering, pattern recognition, number facts) • Dominos (visual clustering, pattern recognition, number facts) • Number War Games (visual clustering, arithmetic facts, mathematics concepts)
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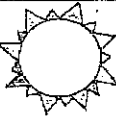
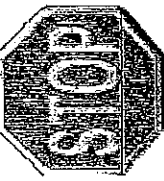

BASIC FACTS

Websites	End of Year Expectations
<ul style="list-style-type: none"> • www.xtramath.org (If your child does not remember their password, follow the steps on the website to register your child). • https://www.varsitytutors.com/aplusmath • http://www.mathsisfun.com • http://illuminations.nctm.org • http://www.ixl.com 	<p>Kindergarten: Fluently add and subtract within 5.</p> <p>1st Grade: Fluently add and subtract within 10.</p> <p>2nd Grade: Fluently add and subtract within 20.</p> <p>3rd Grade: Fluently multiply all products up to 10×10 and related division facts.</p> <p>4th Grade: Fluently multiply all products up to 12×12 and related division facts.</p> <p>5th Grade: Keep practicing all fact fluency!</p>

Summer Math Road Trip - Entering Grade 3



Can you finish the math road trip by completing each of the following math activities? Activities do not need to be completed in order. Answers can be placed in the box or on another piece of paper. Some activities do not require you to write down your answer. When the activity has been completed, a family member can place his/her initials at the bottom of the box.

<p>Use the flyers from the Sunday paper. You have \$5.00 to spend. Choose 3 items to buy. How much change you get back?</p>	<p>Pick 20 coins. Count them. Tell someone your total in dollars and cents. Now try again with 20 different coins.</p>	<p>Pick 10 different coins. Count them. Show the same amount using different coins.</p>	<p>Find a "take-out" menu. If you had \$10.00 to spend what would you order? What is your change? Write the items and the change.</p>	<p>Ice-Cream Truck It costs \$1.50 to buy 1 ice-cream cone. You and 5 friends are feeling hungry. How much money will you need to buy each person and yourself an ice-cream cone? On Mon. Jon read 5 books. On Tues. he read twice as many as he had on Mon. On Wed. he read 8 books. On Thurs. he read half of what he read on Wed. On Fri. he read 6 books. How many books did he read in all?</p>
<p>Write a story problem for the number sentence. $3+2=5$</p>	<p>Use the numbers 2, 5, and 7. Write the largest 3 digit number that you can. Tell someone which digits are in the 100's, 10's, and 1's place.</p>	<p>Use the numbers 8, 9, and 5. Write the largest 3 digit number that you can. Tell someone which digits are in the 100's, 10's, and 1's place.</p>	<p>Lunch is at 11:45, and you are going to the playground 30 minutes later. Tell someone what time you are going to the playground.</p>	<p>On Mon. Jon read 5 books. On Tues. he read twice as many as he had on Mon. On Wed. he read 8 books. On Thurs. he read half of what he read on Wed. On Fri. he read 6 books. How many books did he read in all?</p>
<p>Look at a clock. The hour hand is on the 3 and the minute hand is on the 1. What time is it now? What time was it 30 minutes ago?</p>	<p>Using the digits 7, 3, 8, and 2, make the largest number that you can. Then, draw the place value blocks that represent that number.</p>	<p>Count by 2's, 5's, and 10's to 100.</p>	<p>Free Space - Enjoy the Day </p>	<p>If you were going to measure the length of your foot, what would you use - inches or centimeters? Why? Now, measure your foot and round to the nearest inch or centimeter. How long is your foot?</p>
<p>Write a story problem for the number sentence. $7-2=5$</p>	<p>Take A Break! </p>	<p>Start with 47. Add 30. Add 53. Subtract 27. Add 61. What number am I?</p>	<p>5 ladybugs landed on the deck. Each ladybug had 4 legs. How many legs did they have in all? Write the number sentence.</p>	<p>You and your 4 friends are toasting marshmallows around the campfire. There are 30 marshmallows in the bag. If you share them equally, how many will each of you get to toast?</p>
<p>Use a ruler to find objects that measure 1 inch, 3 inches, 5 inches, and 9 inches.</p>	<p>Use a ruler to find objects that measure 3 cm, 6 cm, 10 cm, 13 cm, and 15 cm.</p>	<p>Use a ruler to draw a square with 4 in. sides. Then, another with sides that are 6 in. Finally, one with sides that are 9 in. each.</p>	<p>Use your ruler to draw a triangle whose sides are each 6 cm long. Then, another with sides that are 3 cm. Finally, one with sides that are 19 cm long.</p>	<p>You Did It! </p>

Student Name: _____