Calling All Mathematicians
Keep Your Math Brain Sharp

Summer Math Activities
for Kindergarteners going into 1st
Dear Parents,

This packet of math activities was created to help your child engage with and become excited about Math over the summer months. Along with Dreambox, practicing math in this packet will help prevent the summer slide. All projects in this packet are based upon the Connecticut Core Standards for Math. To learn more about these standards, please visit.

www.corestandards.org

Many of the problems and activities in this packet can be done independently by your student while others may require adult help/supervision. We suggest doing two or more problems/activities per week. Take time to discuss and enjoy each activity. Try to find ways to reinforce the concepts throughout your daily routine. For example, if the activity discusses shapes, have your child point out shapes while on a walk or car ride.

More Summer Math packets are posted on the Stamford Public Schools Website. The link is below.

http://www.stamfordpublicschools.org/district/grades-k-5-math/pages/summer-work-packets

Have a wonderful summer!

Sincerely,

Stamford Public Schools
Mathematicians please show your thinking in the box below every task! Show us your thinking to make your learning visible for all.

1. Write the names of the people in your house. Count the letters in each and circle the name that has the most letters. Underline the name that has the least amount of letters.

2. Look at a calendar for the month of July and August. How many Fridays are in July and August altogether?
3. Ask a grown-up to say 3 numbers in a row. You say the next three numbers—do some more! Do this several times. (Example: Adult says, “7,8,9!” and child says, “10,11,12!”)

4. Skip count by 10's to 100. Skip count by 2's to 50! Record the skip counting pattern below.
5. Make a prediction on how many jumps you can do in one minute. Record your number below. Now count how many times you can actually jump in one minute. Record that amount. Was there a big or small difference?

6. Play "I-Spy" (Shapes, colors, number of windows, numbers, etc.) Use tally marks while you count.
7. Go on a Shape Hunt in your house. Look for items shaped like a: circle, square, triangle, rectangle. Draw what you found below!

8. Numbers in Sports—Cut out pictures from magazines or newspapers used in sports and paste them below and on the next page.
9. Use a paperclip to measure the length of 2 objects in your house. Which object is longer? Shorter? Are they the same?

10. Find a group of objects to sort (toys, laundry, cans of food, etc.) Find at least two ways to sort and classify (describe each group).
11. Play “Top-It” (also called War) with a deck of cards. Directions for “Top-It” are included in the back of this journal.

12. Create a pattern using the shoes in your house. Name the pattern: ABC, ABAB, ABB, etc. Draw one of the patterns below.
13. Make a clock face with a paper plate. Write 12 at the top, 6 at the bottom, and then the rest of the numbers. Add hands if you want. Draw a mini-representation of your paper plate below.

14. Help set the table for a meal. How many people are there? How many forks, spoons, and knives do you need? Record what you found out below.
15. Collect 5 shells or rocks. Put them in order from smallest to largest. Draw what you ordered below.

16. Grab a handful of cereal or candy and estimate how many pieces you have. Now count the pieces. Did you make a reasonable estimate? Why do you think it is reasonable or unreasonable?
17. Favorite Ice Cream Survey - Take a survey of people's favorite ice cream flavor. Use the table in the packet (included in the back of this journal) to record your results. Put a tally mark next to each flavor chosen. Please give the name of some businesses that might be interested in finding out your survey results.

18. Ice cream graph - Use the data (tally marks) from your favorite ice cream survey to fill in the bar graph on the survey sheet in the back of this journal.
19. Fill in the missing numbers:

8, __, 10  11, __, 13  4, 5, __

__, 15, 16  ____, 1, 2

20. Walk around the outside of your home counting each step. How many steps do you count around your home? Record below.

My steps around my home: ________________

21. Write the numbers 1-5. Draw objects to match each number below.
22. Write the numbers 6-10. Draw objects to match each number below.

23. Use the hundred chart in the back of this journal to count to 100. (By 1's, 5's, 10's, etc.)
Which skip counting pattern takes you the longest? The shortest? Share what you discover below.
24. Write the numbers 11-15. Draw circles to match each number below.
26. Write the numbers 16-20. Draw squares to match each number below.
28. Try and divide in half everything you eat today. Examples: sandwich, cracker, cookie, cup of cheerios, etc. Draw a picture of one of your food items cut in half below.

29. Measure the width of a room in your house using your feet as the measuring tool. How many "feet" wide is the room? Next, have a grown-up measure the room using his/her feet. How many "grown-up" feet wide is the room? Is there a difference? Why? Explain below.
30. At bath time, estimate how many minutes it takes to fill the bathtub. Then have a grown-up time it with a watch or clock. How close was your estimate to the actual time? Explain below.

31. Count the number of days until school starts. Make sure your math calendar is ready for 1st grade!
**Top-It**

Directions:

This is a game for two players (You may remember it as WAR). You will need a deck of cards. Remove the Aces and face cards. Children shuffle the deck and deal out the cards. Children place their stacks face down in front of them. They then turn over their top cards and read the numbers aloud. Whoever has the larger number keeps both cards. If the cards have the same number, put them aside and turn over the next two cards until someone wins the round and takes all the cards. When children have used all the cards from both stacks, play ends.

Variation: Take index cards and make your own deck with higher numbers. Children should write numbers in the upper left and lower right corners of each card as on standard playing cards.
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<th>Ice Cream Flavor</th>
<th>Number of People</th>
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<td>Strawberry</td>
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<td>Chocolate</td>
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I. Use the table below to take a survey of people's favorite ice cream flavor.

2. Put a tally mark next to each flavor chosen.

3. Make a graph showing your results.
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