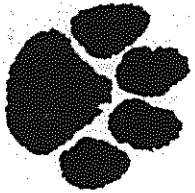


Name \_\_\_\_\_

I am entering 1st Grade In August.

Dear Parents and Students,

Get ready to discover mathematics all around you this summer! Just like reading, regular practice over the summer with problem solving, computation, and math facts will maintain and strengthen the mathematic gains made throughout the school year.



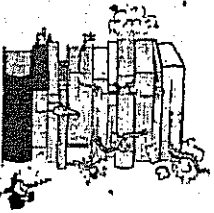
**DIRECTIONS:**

- ★ Complete at least 20 math boxes each month.
- ★ Record your work on a separate piece of paper.
- ★ Attach your work to the calendars
- ★ Return everything to your 1st grade teacher In August.

**Tracey Elementary School**  
20 Camp St.  
Norwalk, CT 06851

**Cool Math Books to Read**

- Ten Flashing Fireflies by Philemon Sturges
- Benny's Pennies by Pat Brisson
- Inch by Inch by Leo Leonni
- Pattern Fish by Trudy Harris
- Two Ways to Count to Ten by Ruby Dee



**Fun Websites to Explore:**

- [www.funbrain.com](http://www.funbrain.com)
  - [www.aplusmath.com](http://www.aplusmath.com)
  - [www.pbkids.org](http://www.pbkids.org)
  - [illuminations.nctm.org](http://illuminations.nctm.org)
- ★ Click on ACTIVITIES. Click on K-2 and press SEARCH

**Games To Play (You will need a deck of cards)**

**1. Compare**

Remove the face cards from a deck of cards. Remember an "Ace" is equal to "1". Pass out all cards in the deck among all of the players. Each player flips over one card at the same time. The player with the higher number says "My number is greater!" and keeps both cards. If the two cards are the same, turn over another card. The player with the higher number keeps all four cards.

**2. Double or Triple Compare**

Same as above, but turn over two or three cards each time and find the sum. The player with the larger sum says, "My sum is greater!" and takes all the cards for that round.

➤ Add four wild cards to the deck (e.g. the Kings). A wild card may be used as any number. Challenge students to use it for the lowest number that will allow them to win.

**3. Close to 10**

Remove the face cards from a deck of cards. Deal 3 cards to each player.

Which two cards bring you closest to 10?  
The player closest to 10 scores 10 points.  
Play until one player score 100 points.

**For Example:** You turn over the cards 5, 4, 3 and your opponent turns over an Ace, 8, and 3. You can make 9 (5 and 4) and your opponent can make 9 (Ace and 8) or 11 (8 and 3). It's a tie since you are both 1 away from 10 - so you BOTH score 10 points!!!

**Other games to play:**

Checkers, Memory, Chutes and Ladders, Jigsaw puzzles, Parcheesi, Go Fish, Crazy Eights, Candy Land, Blink, Connect Four, Lego®, K'Nex, Guess Who?, Mancala, Kerplunk, Uno

## Students Entering 1<sup>st</sup> Grade - July

**DIRECTIONS: Complete at least 20 boxes and lightly color in the box after you complete it. Attach your work.**

1. Go to a store or market with an adult. Make a list of all the fruits you would eat. Sort them by color. Make a graph to show your sorting.	2. Keep track of the weather this week. How many sunny days? Rainy days? Cloudy days? How many more sunny days than rainy days?	3. Build something with blocks or Legos. Decide how many you will use. Tell someone about the shapes you have made.	4. Help set the table for a meal. How many people are there? How many forks, spoons, and knives do you need?	5. Play the game Close to 10 (see directions)	6. Make a picture using 2 circles, 3 triangles, and some rectangles. Explain how you made it to a friend.	7. Find 5 boxes of different sizes in your kitchen (cereal? pasta?) Line them up from tallest to shortest. Now, line them up from thickest to thinnest.
8. Take a walk outside. Record on paper how many insects, birds, and mammals you see.	9. Count how many steps it takes to get from your room to the kitchen. Then try giant steps. How many more regular steps did it take?	10. Sort the clean laundry (by owner, by color, by size, by item type). Who in your family had the most socks in this load?	11. Count 25 objects (Cheerios? raisins? rocks?). Now make a pile of 15 from that 25. How many are still left?	12. When you are out, count how many people are wearing short and long pants and compare. Why might that change on another day?	13. Write your first and last name. How many letters in each? How many more letters are in your longer name than in your shorter one?	14. Write all the numbers 1 - 100. Circle all the 5s in blue. Circle all the 10s in red.
15. Play a board game that uses dice. Is any one number rolled more than the others?	16. Name the months of the year. Which month is your birthday?	17. Play Compare with a friend. Practice skip counting by 2s and 5s. 2, 4, 6, 8 to 30 5, 10, 15, 20, ... to 50.	18. Jump 3 times, once like a bunny, once like a frog, and once like a child. Measure each jump. Which jump was the shortest? Longest?	19. Try a game like basketball, bowling, or mini golf. Help keep score. Who had the most points? Is that the winner?	20. Read <u>Two Ways to Count to Ten</u> by Ruby Dee. How many ways can you count to ten?	21. Pick a number from 1-12. Find that number around your house! Look at clocks, phones, books, magazines, etc... Pick another number
22. Draw a picture to show this problem: I made 8 hot dogs. The kids ate 4 of them. How many are left? Can you make your own picture problem?	23. Draw and write what you are doing at 2 different times today when the minute hand of the clock is on the "12" Write the times on the pictures.	24. Describe 3 different ways to make 10 cents. Describe 3 different ways to make 20 cents. ... 30 cents.	25. Play one of the Compare games again with a friend. Did you use a strategy? Tell someone about it.	26. Time your transitions by counting backwards. ex. "I will finish putting my shoes on in 20 seconds. 20, 19, 18, .....	27. Play Close to 10. Also practice your addition facts that equal 9 such as... 4+5 6+3 1+3+5 Are there more?	28. Start a collection of rocks or shells. Estimate how many fit in your hands? Count to see. Put them in order from smallest to largest.

PARENT SIGNATURE: \_\_\_\_\_

CHILD'S NAME: \_\_\_\_\_

Return this calendar to your 1<sup>st</sup> grade teacher in August.

## Students Entering 1<sup>st</sup> Grade - August

**DIRECTIONS: Complete at least 20 boxes and lightly color in the box after you complete it. Attach your work.**

<p>How many utensils do you think you have? Make a picture graph to show how many forks, knives, and spoons you have in your pencil drawer.</p>	<p>2. Read <u>Ten Flashing Fireflies</u> by Philemon Sturges. Instead of fireflies in a jar, count the veggies going into your mouth tonight.</p>	<p>3. Look at a calendar. How many days are left until school begins? How many weeks? Predict how many will be sunny, rainy, snowy or cloudy. Can you find a way to keep track?</p>	<p>4. Make a picture using 3 circles, 4 triangles, and a shape with more than 4 sides. Can you make it symmetrical?</p>
<p>Read <u>Benny's Antles</u> by Paterson. What would (or could) you do with your pennies if you had some.</p>	<p>9. Play the game <u>Close to 10</u> (see directions) Also practice skip counting by 2s to 40 (2, 4, 6,....) ... count to 80 by 2s!</p>	<p>10. Find 10 coins in your house. What do they add up to? Is it more or less than 25 cents?</p>	<p>11. Read <u>Inch by Inch</u> by Leo Leonni. What part of your body can you use to measure?</p>
<p>How many ten pennies. How many heads? How many tails? Try again and again! Do you get the same results?</p>	<p>15. Roll two dice and add the two numbers together. How many times did you have to roll to get a 12? Try again!</p>	<p>17. Count the people that live in your house with you. How many toes do they have altogether? How many fingers?</p>	<p>18. Play <u>Ten Frame</u> on the web.            ♦ Illuminations.nctm.org            ♦ Click on ACTIVITIES.            ♦ K-2. Search            ♦ Select <u>Ten Frame</u>            ♦ Select # 3; Fill            Record all the number sentences with a sum of ten.</p>
<p>Try Double or Triple Compare. What is your strategy comparing the all of two or three rats? What number facts are easy for you?</p>	<p>23. How long is your room? Measure with blocks or toys. Measure with your feet. Which was more? Which is less? Why?</p>	<p>24. Play a strategy game like <u>Connect 4</u> or <u>Checkers</u>. Did your strategy work? Will you try a different strategy the next time you play?</p>	<p>25. Look at some of your toys. Try to sort them into groups. Explain to someone how you sorted them.</p>
<p>How many jumps can you make with 3 shirts and 3 pants?</p>	<p>21. Play <u>Bobbie Bear</u> on the web again.            ♦ Illuminations.nctm.org            ♦ Click on ACTIVITIES.            ♦ K-2. Search.            ♦ Select <u>Bobbie Bear</u>            ♦ Select: <u>Customize</u>            How many outfits can you make with 3 shirts and 3 pants?</p>	<p>19. Read a book of your choice. What math ideas do you find in it?            Record your matches..</p>	<p>12. Play <u>Concentration</u> on the web:            ♦ Illuminations.nctm.org            ♦ Click on ACTIVITIES.            ♦ K-2. Search            ♦ Select <u>Concentration</u>            Play with numbers 1-10. Record your matches..</p>
<p>Practice counting on from numbers other than one. Start at 4..... Start at 17..... Start at 32..... Can you count backwards?</p>	<p>13. Practice counting on from numbers other than one. Start at 4..... Start at 17..... Start at 32..... Can you count backwards?</p>	<p>20. Read <u>Pattern Fish</u> by Trudy Harris. Draw or build your own pattern.</p>	<p>6. As you walk or drive in the car, try to find all the numbers 0,1,2,3... in order. How many do you see along the way? How high can you go?</p>
<p>How many jumping jacks can you do in one minute? Is it more or less than 20? How do you know?</p>	<p>28. How many jumping jacks can you do in one minute? Is it more or less than 20? How do you know?</p>	<p>27. Play with bubbles. How many can you blow in one minute? Practice counting backwards from big numbers. Start at 27. Try starting at 40.</p>	<p>7. Go around your house and count the windows and doors. Are there more windows or doors? Draw the one with more.</p>
<p>14. Make a list of all the (2D) shapes you can think of. Go on a scavenger hunt looking for those shapes. Check off the shapes you find.</p>	<p>14. Make a list of all the (2D) shapes you can think of. Go on a scavenger hunt looking for those shapes. Check off the shapes you find.</p>	<p>26. Play <u>Five Frame</u> on the web.            ♦ Illuminations.nctm.org            ♦ Click on ACTIVITIES.            ♦ K-2. Search.            ♦ Select <u>Five Frame</u>            ♦ Select # 3; Fill            Record all the number sentences with a sum of five.</p>	<p>5. Play <u>Bobbie Bear</u> on the web:            ♦ Illuminations.nctm.org            ♦ Click on ACTIVITIES.            ♦ K-2. Search.            ♦ Select <u>Bobbie Bear</u>            ♦ Select: <u>Customize</u>            How many outfits can you make with 2 shirts and 3 pants?</p>

PARENT SIGNATURE: \_\_\_\_\_

CHILD'S NAME: \_\_\_\_\_

Return this calendar to your 1<sup>st</sup> grade teacher in August.

