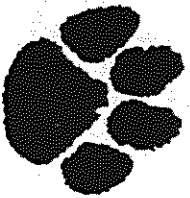


Name \_\_\_\_\_

**I am entering 2nd 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.



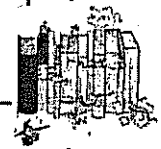
**DIRECTIONS:**

- ★ **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 2nd grade teacher in August.**

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

**Cool Math Books to Read:**

- Alexander, Who Used to Rich Last Sunday by Judith Viorst
- 100 Days of School by Trudy Harris
- The Button Box by Margarette S. Reid
- The Doorbell Rang by Pat Hutchins

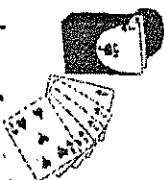


**Fun Websites to Explore:**

- [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 with 2 or more players**  
**(You will need a deck of cards)**



- 1. Compare**  
Remove the face cards from a deck of cards (or make up values for each face card). Remember an "Ace" equals "1". Pass out all cards in the deck among all of the players. Each player flips over two cards at the same time and finds the sum. The player with the largest sum takes the cards. If the sums are the same, turn over 2 more cards. The player with the largest sum keeps all four cards.
- 2. "Tens" Go Fish**  
Aces = 1 and Kings = 0. Remove all other the face cards from the deck.  
Deal 5 cards to each player. Each player looks for combinations of cards that equal 10. If a player has a combination of **2 or more cards** that equal 10, he/she lays the cards down and draws new cards from the deck to replace them. If a player does not have a combination of 10 he/she asks another player for a specific card to make 10. Players take turns asking each other for a card that will make 10 with a card from their hand. At the end of each turn all players should have 5 cards in their hand. A player's turn is over when no more pairs can be made. The game is over when there are no more cards. Players record their combinations of 10.
- 3. Close to 20**  
Aces = 1, Jacks = 11, Queens = 12, and Kings = 13  
Deal 4 cards to each player.  
Each player chooses **two or more cards** brings *him/her* closest to 20. The player closest to 20 scores 10 points.  
Reshuffle all the cards and deal 4 new cards to each player.  
Play until one player score 100 points.

**Other Games to Play:**

- Checkers, Memory, jigsaw puzzles, Parcheesi,
- Crazy Eights, Blink, Connect Four, Lego®, K'Nex, Guess Who?, Make 7,
- Mancala, Kerplunk, Uno, Mastermind, Blokus

## Students Entering 2nd Grade - July

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

1. Cut out grocery store coupons your family may use. Sort into categories. Which category has the most? ... the least? How much will you save altogether?	2. Circle all the even numbers. <b>26, 95, 12, 72, 33, 94, 11, 110, 47.</b> How do you know each is even? Record your thinking.	3. Play <b>Close to 20</b> (see directions)  How does this help you practice your addition?	4. A pack of gum has 5 pieces in it. How many pieces of gum in 3 packs? ... 5 packs? ... 7 packs? ... 10 packs?	5. Gather a handful of coins with a value less than \$2.00.  Calculate the total.	6. How many minutes are in 1 hour? ... in ½ hour? ... in a ¼ hour? Record each.	7. Read: <u>Alexander, Who Used to Rich Last Sunday</u> by Judith Viorst.  Show different ways to spend \$1.00.
8. Play <b>Compare</b> (see directions)  What is your strategy? Did your strategy change as you played more rounds?  Record your thinking.	9. Time yourself as you count to 100 by:  <b>2s, 5s, &amp; 10s.</b>  Which took the longest? Why?	10. Make a quart of lemonade. How many cups of water do you need? How many tablespoons of mix do you need to make it sweet enough?	11. Estimate how many pieces of cereal are in ¼ cup. Count the pieces. Now estimate how many ¼ cups fill your cereal bowl and how many pieces there will be in all. Check.	12. <b>7+7</b> 7+8 8+8 8+9 9+9 9+10  What clues help you solve these problems? Does it work with larger numbers?	13. Estimate the length of string you'd need to fit around a ball. Without measuring, cut the string that you think will work.  Test your prediction. What did you notice?	14. Play <b>Bobbie Bear</b> ♦ Illuminations.nctm.org ♦ Click on ACTIVITIES. ♦ K-2. Search. ♦ Select <b>Bobbie Bear</b> ♦ Select: <b>Customize</b>  How many outfits can you make with 3 shirts and 3 pants?
15. Tell an adult an addition story problem to go with <b>4 + 8.</b>  Now tell a subtraction story problem for <b>12 - 4.</b>  Record your stories.	16. Read <b>100 Days of School</b> by Trudy Harris.  Find 5 different ways to reach 100.  Record each way.	17. Play "Tens" Go Fish (See directions)  Add up all the combinations. Who has the most? How many more than each player?	18. Read <b>The Button Box</b> by Margarette Reid.  Find a collection at home and sort it. Ask a friend to figure out how you sorted.	19. Find the temperatures for this past week. Record. Find the temperature for Las Vegas, NV this past week. Compare. What do you notice?	20. Take 7 pennies. Put some in 1 hand and some in the other hand. Show 1 hand and have an adult figure out how many are hiding. Do it again with a different number.	21. Play <b>Primary Krypto</b> ♦ Illuminations.nctm.org ♦ Click on ACTIVITIES. ♦ K-2. Search. ♦ Select: <b>Primary Krypto</b>
22. Use quarters, dimes, and nickels to make \$1.00.  How many different ways can you make \$1.00?	23. Play a strategy game like <u>Mancala</u> or <u>Connect Four</u> . Would you use the same strategy the next time you play?	24. Circle the odd numbers: 9, 16, 21, 54, 88, 45, 132, 347, 503. How do you know each is odd? Record.	25. Play <b>Ten Frame</b> ♦ Illuminations.nctm.org ♦ Click on ACTIVITIES. ♦ K-2. Search. ♦ Select: <b>Ten Frame</b>	26. Beginning with 900, count backward by 100 all the way to 0.  Record your numbers.	27. Write as many addition and subtraction equations as you can that equal 14. Can you record 100 different ways???	28. Estimate the number of measuring cups it will take to fill a pitcher with water.  Test it out! Record your results.

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

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

Return this calendar to your 2<sup>nd</sup> grade teacher in August.

## Students Entering 2nd Grade-August

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

<p>1. Using a ruler, find 5 things longer than 12 inches and 5 things shorter than 12 inches.</p> <p>Make a table to record each object you found and its length.</p>	<p>2. Start at 4. Count by 10s to 64. Start at 64. Count by 100s to 764.</p> <p>What did you notice about the numbers you say?</p>	<p>3. Jump 3 times; once like a bunny, once like a frog, and once like a child. Measure each jump. Which was the longest? Shortest? What is the difference?</p>	<p>4. How many different ways can you use pennies, nickels and dimes to make 25 cents? ...to make 50 cents? Record all the ways.</p>	<p>5. Read The Doorbell Rang by Pat Hutchins Make cookies with your family! Can you share them equally? Draw a picture to show how many.</p>	<p>6. In one blow, estimate how many bubbles can you make? Try to blow the most bubbles you can with one blow. Record each time. What was the most?</p>	<p>7. Find an adult's shoe. Measure the length in inches and centimeters. Record. Which measurement is more? Why?</p>
<p>8. Play Coin Box ♦ Illuminations.netm.org ♦ Click on ACTIVITIES. ♦ K-2. Search. ♦ Select: Coin box Challenge yourself</p>	<p>9. Solve. I have 4 shells. I found 2 more. My mom gave me 3 more. I lost 2. How many shells do I have? Record and explain your thinking.</p>	<p>10. Count backwards by 1's from 30 to 0. Count backwards by 10s from 80 to 0. Count backwards by 5s from 40 to 0.</p>	<p>11. Play Close to 20. (see directions) How does this help you practice your addition?</p>	<p>12. How many books do you have? First, make an estimate. Then count them. How close was your estimate?</p>	<p>13. Ask 5 people their phone numbers. Add the digits of each phone number together. Whose phone number has the highest value?</p>	<p>14. The answer is 50. What could the question possibly be? Challenge yourself to think of more questions.</p>
<p>15. Roll 2 dice. Add the two digits to find a sum. Do this 20 times. What sum did you get the most often? Why?</p>	<p>16. If you see 8 people, how many eyes would you see? If there are 30 toes under the table, how many people are sitting at the table? Record and explain.</p>	<p>17. Cut out a picture from a filler or old magazine. Glue to a blank paper. Write a math story problem for the picture.</p>	<p>18. Visit the website <a href="http://www.funbrain.com">www.funbrain.com</a> and do some math. Record what you did.</p>	<p>19. How long does the traffic light stay green? Red? How could you measure this? How much longer is 1 light than the other?</p>	<p>20. Play "Tens" Go Fish (See directions) Add up all the combinations. Who has the most? How many more than each player?</p>	<p>21. Play a board game. Encourage the whole family to play!!!</p>
<p>22. Make a calendar for this week. Record the temperature each day. At the end of the week, compare your weather with the weather in another state.</p>	<p>23. Play Ten Frame ♦ Illuminations.netm.org ♦ Click on ACTIVITIES. ♦ K-2. Search. ♦ Select Ten Frame</p>	<p>24. Make a tally chart of the number of fruits and vegetables you ate today at your meals and for snacks. Did you eat 5 servings? Try again tomorrow.</p>	<p>25. Play Compare (see directions) What is your strategy? Did your strategy change as you played more rounds? Record.</p>	<p>26. Go to the library and read books about money. Estimate how long it will take you to read 10 pages. Try it!</p>	<p>27. Use these numbers in a story problem: 18, 9, 9. Write a problem for a friend or relative to solve.</p>	<p>28. Go for a walk in your neighborhood and look for odd and even numbers. Record all the numbers you found.</p>

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

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

Return this calendar to your 2<sup>nd</sup> grade teacher in August.

