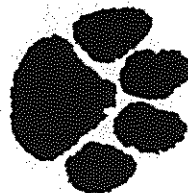


Name _____

I am entering 3rd 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 3rd grade teacher in August.

Tracey Elementary School
20 Camp St
Norwalk, CT 06851

Cool Math Books to Read:

- Amanda Bean's Amazing Dream by Cindy Neuschwander
- The Greedy Triangle by Marilyn Burns
- Measuring Penny by Loreen Leedy
- Math for all Seasons by Greg Tang

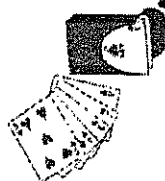
Fun Websites to Explore:

- www.funbrain.com
- www.mathplayground.com
- www.aplusmath.com
- www.pbkids.org
- www.figurethis.org/index.html
- illuminations.nctm.org



Click on ACTIVITIES. Click on K-2 or 3-5 and press SEARCH

Games To Play with 2 or more players
(You will need a deck of cards)



1. Compare - Addition or Subtraction

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 either the sum or the difference (decide before you play). The player with the largest sum/difference takes the cards. If the sums/differences are the same, turn over 2 more cards. The player with the largest sum/difference keeps all four cards.

2. Close to 100

Deal SIX cards to each player.

Use any FOUR of your cards to make TWO 2-digit numbers.

Aces = 1; Jacks, Queens, & Kings = WILD cards = stand for any digit 0-9
Try to make a combination that when added is close to or exactly 100.

Example:

You are dealt: 5 4 3 A 8 3

You combine 48 and 53 to equal 101. You score 1 point since the difference between 101 and 100 equals 1.

Make a recording sheet to record 5 rounds of play showing the numbers you make, the sum of your numbers, and the difference between your sum and 100.

Put the cards you used in the discard pile. Keep the other two for the next round. Pick up four more cards and play 5 rounds. Add the score to each round. The lowest score after 5 rounds wins.

Other Games to Play:

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

Students Entering 3rd Grade - July

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

<p>1. 100 is the answer, what could the question possibly be? Challenge yourself to think of more questions.</p>	<p>2. Read Amanda Bean's Amazing Dream by Cindy Neuschwander Estimate how many books are in your house. Now count them.</p>	<p>3. How many quarters make \$5.00? ...how many dimes? ...how many nickels? Do you notice any patterns?</p>	<p>4. You have 4 lollipops. 1 is grape flavored. What fraction is grape flavored? Draw a picture to illustrate.</p>	<p>5. Jenn is 53 inches tall. Deb is 48 inches tall. Who is taller? How tall is each girl in feet and inches?</p>	<p>6. Play Close to 100 (see directions) How does it help you to get better at addition?</p>	<p>7. You have 10 dollars to spend. Find something in the newspaper filters you can buy. How much does it cost? How much change will you get?</p>
<p>8. Draw a picture to show fractions: $\frac{1}{4}$, $\frac{1}{2}$ & $\frac{2}{3}$. Write a sentence to describe each picture.</p>	<p>9. Put away the leftovers from dinner, how do you make decisions about the containers you will use? Explain.</p>	<p>10. Measure and record your height in inches and centimeters. How many feet are you? How many meters?</p>	<p>11. Counting by 3s, write the numbers between 1 – 100. What patterns do you see?</p>	<p>12. Find 5 places where you see fractions being used.</p>	<p>13. Record the temperature outside in the early morning. Do it again in the late afternoon. How many degrees did it change?</p>	<p>14. Play Coin Box ♦ Illuminations.netm.org ♦ Click on ACTIVITIES. ♦ K-2. Search. ♦ Select: Coin Box</p>
<p>15. Play a strategy game like <u>Chello</u> or <u>Checkers</u>. Did your strategy work? Will you try a different strategy the next time you play?</p>	<p>16. You have \$1.50 in your pocket. Make a list of 10 different combinations of coins you could have in your pocket.</p>	<p>17. Use $<$, $=$, or $>$ to complete the following number sentences. 657 ___ $457 + 100 + 100$ $923 + 10$ ___ $953 - 10 - 10 - 1$ Can you write some?</p>	<p>18. Would a dog be 2 feet tall or 20 feet tall? Explain how you know that.</p>	<p>19. $500 + 60 + 8$ is a number. Write it as a three-digit number. Write its name in words. Draw a picture to represent the number. Locate it on the number line.</p>	<p>20. Play Compare – Addition or Subtraction (see directions) Do you like addition or subtraction better? Why?</p>	<p>21. Read <u>Measuring Penny</u> by Loreen Leedy. Find an animal real or stuffed to measure with standard and non-standard measurement.</p>
<p>22. If you start watching television at 8:30 AM and watch for $1\frac{1}{2}$ hours, what time will it be when you're done?</p>	<p>23. How much less is 36 than 52? Explain your strategy.</p>	<p>24. Use all the digits 5, 7, and 2 to create different 3-digit numbers. What is the greatest number? What is the smallest number? How do you know?</p>	<p>25. Make a rectangular array for 8 rows of 5 using a drawing, buttons, beans, etc. Glue to a sheet of paper. How many in all?</p>	<p>26. Write down the year each person in your house was born. Put years in order from least to greatest.</p>	<p>27. Write a 4-digit number. Circle the number in the thousands place. Put a square around the number in the tens place.</p>	<p>28. Play Primary Krypto ♦ Illuminations.netm.org ♦ Click on ACTIVITIES. ♦ K-2. Search. ♦ Select: Primary Krypto</p>

PARENT SIGNATURE: _____

CHILD'S NAME: _____

Return this calendar to your 3rd grade teacher in August.

Students Entering 3rd Grade - August

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

1. Write a story about an athlete who does not understand math.	2. Think of 5 odd numbers between 1,230 and 1,250. Record the numbers. How do you know they are odd?	3. Use a grocery store flyer to plan a breakfast. List all the items you need and record the price of each item. How much will breakfast cost?	4. How many ten-dollar bills equal a hundred-dollar bill? Jen had 20 ten-dollar bills. How many hundred-dollar bills can she trade them for?	5. Use the digits 3, 5, 7, 8. What is the smallest number you can create? ...the largest?	6. Play <i>Primary Krypto</i> <ul style="list-style-type: none"> ♦ Go to: illuminations.nctm.org ♦ Click on ACTIVITIES ♦ K-2. Search ♦ Select <i>Primary Krypto</i> 	7. Play Compare - Addition or Subtraction (see directions) How does this help you to practice your facts?
8. Create a poem about math using as many math vocabulary words as you can.	9. Play <i>Close to 100</i> (see directions) How does it help you to get better at addition?	10. Starting with 10 ¹ , skip count by 100 until you get to 1,001. What pattern do you notice? Try different numbers to start with, does the pattern change?	11. The 3 numbers in my family are 8, 4, and 12. What two addition and two subtraction sentences can you make?	12. Set the table for dinner. How many utensils will you need for 6 plates? ...8 plates? ... 12 plates?	13. Roll two dice together and add to find the sum. Record the sum. Do this 25 times. Create a bar graph with the results. What did you notice?	14. Use $<$, $=$, or $>$ to complete the following number sentences. $347+30$ _____ $397-10-10$ 926 _____ $726+100+10$ Can you write some?
15. A third grader needs about 10 hours of sleep a night. If Kelly has been sleeping for 7 ½ hours, how many more hours of sleep does she need?	16. $115 + 6 = 113 + ?$ Copy this problem on a piece of paper and fill in the blank. Explain how you got the answer.	17. Play <i>Pan Balance-Shapes</i> (fixed values). Find three combinations that balance with one purple triangle. <ul style="list-style-type: none"> ♦ illuminations.nctm.org ♦ Click on ACTIVITIES ♦ Click on K-2. Search ♦ Select <i>Pan Balance-Shapes</i> 	18. Dan went to the zoo with his Mom, his 11-year-old brother and his 7-year-old sister. It costs \$7.00 for adults and \$3.00 for kids. How much did it cost to get into the zoo?	19. Go on a shape hunt for quadrilaterals how many can you find? How are their attributes the same or different?	20. People take approximately 12 breaths a minute when they are relaxed. How many breaths do people take in two minutes? ...in 3 minutes? ...in 4 minutes?	21. Think about the number 461. What is 10 more? What is 10 less? What is 100 more? What is 100 less? Record your answers on a number line.
22. Read <i>Math for All Seasons</i> by Greg Tang. Make up your own math riddle.	23. Download this FREE App: <i>Comundra Math</i>	24. Leta's mother drove 4 hours to visit a friend. She drove 40 miles each hour. How many miles did Leta's mother travel to her friend's house?	25. Create a design using the <i>Shape tool</i> on the <i>Illuminations</i> website. <ul style="list-style-type: none"> ♦ illuminations.nctm.org ♦ Click on ACTIVITIES ♦ Click K-2. Search ♦ Select <i>Shape Tool</i> 	26. Write as many coin combinations as you can that equal \$1.00 using nickels, dimes and quarters.	27. Write the numbers below in expanded form. For Example: $583 = 500 + 80 + 3$ 729 846 295	28. Read <i>The Greedy Triangle</i> by Marilyn Burns. Follow along using toothpicks to make the polygons.

PARENT SIGNATURE: _____

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Return this calendar to your 3rd grade teacher in August.

