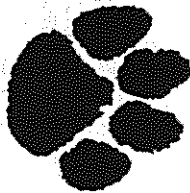


Name \_\_\_\_\_

I am entering 5th Grade in August.

Dear Parents and Students,

These daily activities review 4th grade math concepts and skills. Spend time each day "thinking and talking math" to help reinforce the math you have learned and begin to bridge the foundation for extending to the concepts that will be developed next year. The goal is for you to have fun and work collaboratively to communicate mathematical ideas. While you are working ask how the solution was found and why a particular strategy was chosen.



**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 5th grade teacher in August.

**Tracy Elementary School**  
20 Camp St  
Norwalk, CT 06851



- Cool Math Books to Read:
- Counting on Frank by Rod Clement
- A Grain of Rice by Helena Clare Pitman
- Sideways Arithmetic from Wayside School by Louis Sachar
- Divide and Ride by Stuart Murphy
- Lemonade for Sale by Stuart Murphy

**Fun Websites to Explore:**

- [www.funbrain.com](http://www.funbrain.com)
- [www.mathplayground.com](http://www.mathplayground.com)
- [www.aplusmath.com](http://www.aplusmath.com)
- <http://www.gregtangmath.com/>
- [illuminations.nctm.org](http://illuminations.nctm.org)



Click on ACTIVITIES. Click on 3-5 and press SEARCH

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



**1. Multiplication Compare**

Remove the face cards from a deck of cards (or make up values for each face card). Remember an "Ace" equals "1".

Deal all the cards equally between 2 or 3 players. Each player turns over 2 cards and multiplies the numbers together. Use the symbols  $<$ ,  $>$ , or  $=$  to compare the products. The person with the highest product wins all the cards. If you have the same product repeat the procedure. Greatest product takes all the cards.

**2. Close to 1000**

Aces = 1; Jacks, Queens, & Kings = WILD cards = stand for any digit 0-9

Deal 8 cards to each player.

Use any 6 of your cards to make TWO 3-digit numbers.

Try to make a combination that when added is close to or exactly 1000.

Example:

You are dealt: A 5 4 3 A 8 3 8

You can combine  $148 + 853 = 1001$ .

Your score is 1 since the difference between 1001 and 1000 is 1.

Discard the 6 used cards and pick 6 new cards.

Make a recording sheet to record 5 rounds of play showing: (a) the numbers you make, (b) the sum of your numbers, and (c) the difference between your sum and 1000 (your score).

The lowest score after 5 rounds wins.

**Other Games to Play:**

- Monopoly, jigsaw puzzles, Yahtzee, Othello
- Crazy Eights, Blink, Connect Four, Lego®, K'Nex, Battleship, Mancala, Simon, Mastermind, Blokus, Set, Cribbage

## Students Entering 5<sup>th</sup> Grade - July

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

<p>1. Play Pan Balance Expressions</p> <ul style="list-style-type: none"> <li>◆ Illuminations.nctm.org</li> <li>◆ Click on ACTIVITIES</li> <li>◆ Click 3-5. Search</li> <li>◆ Select Pan Balance Expressions</li> </ul>	<p>2. Read <u>Greedy Triangle</u> by Marilyn Burns.</p> <p>Go on a hexagon scavenger hunt. Where can you find hexagons? Make a pattern with hexagons.</p>	<p>3. Using weather.com record the forecasted high temperatures for the next 5 days. Make a line graph of the forecasted temperatures.</p>	<p>4. Over the next 5 days, record the actual high temperature.</p> <p>Make a bar graph of the actual high temperature over these 5 days.</p>
<p>8. Play Product Game</p> <ul style="list-style-type: none"> <li>◆ Illuminations.nctm.org</li> <li>◆ Click on ACTIVITIES</li> <li>◆ Click 3-5. Search</li> <li>◆ Select Product Game.</li> </ul>	<p>9. Identify, record and classify angles: acute (<math>&lt; 90^\circ</math>), obtuse (<math>&gt; 90^\circ</math>), right (<math>90^\circ</math>) in everyday things (buildings, bridges, furniture, etc.)</p>	<p>10. Visit the website <a href="http://www.multiplication.com">www.multiplication.com</a></p> <p>Choose some activities to have fun practicing multiplication.</p> <p>Record your choices.</p>	<p>11. A lawn water sprinkler rotates 65 degrees and pauses. It then rotates 25 more degrees. What is the total degree rotation of the sprinkler? To cover a full 360 degrees, how many more degrees will it move?</p>
<p>15. Fifteen friends want to order pizza for dinner. They predict that each person will eat <math>\frac{1}{3}</math> of a pizza. How many pizzas should they order?</p> <p>What if there were only 3 friends?</p>	<p>16. Write down the numbers you see on 2 license plates.</p> <p>Create 4 math problems with these numbers using all 4 operations (+, -, x, ÷)</p>	<p>17. Linda is going to have new flooring put in her bedroom. If her bedroom is 8 feet by 10 feet how many square feet of flooring will be needed? What is the perimeter of Linda's bedroom?</p>	<p>18. Play Fraction Game</p> <ul style="list-style-type: none"> <li>◆ Illuminations.nctm.org</li> <li>◆ Click on ACTIVITIES</li> <li>◆ Click 3-5. Click Search</li> <li>◆ Select Fraction Game</li> </ul> <p>How many moves did it take to get all the red markers to the right side? Can you beat your score?</p>
<p>22. Write down the names and prices of 5 cars you find in the newspaper. Order the prices from least to greatest. Round the prices to the nearest thousand.</p>	<p>23. Play the game Multiplication Compare (see directions)</p>	<p>24. Play a game like Yahtzee or Cribbage</p>	<p>25. With a partner take turns scooping coins from a cup. Write the total in dollars and cents using decimal notation. Compare totals using <math>&lt;</math>, <math>&gt;</math>, or <math>=</math>. Take ten turns.</p>
<p>27. Jose swam 3 laps each day and Milcah swam four times as many laps as Jose each day. How many laps did Milcah swim in 7 days?</p>	<p>26. Begin with 21 and count by 7s to 77. Begin with 18 and count by 6s to 66.</p>	<p>20. At the grocery store estimate how many bananas will weigh one pound. Check your estimate. What's the cost to buy 2 lbs of bananas?</p>	<p>19. The sum of two mixed numbers is 5. What might the two mixed numbers be? Show as many different solutions as you can. Explain your strategy.</p>
<p>28. Play the game Close to 1,000</p>	<p>7. Read <u>One Grain of Rice</u> by Demi.</p> <p>Calculate how many grains of rice she will receive on day 18. How many will she have altogether?</p>	<p>13. I am <math>&gt; 3,449</math> and I am <math>&lt; 3,502</math>. I have a 1 in my ones place and a zero in my tens place. What number am I? Create your own number riddles.</p>	<p>12. Solve the riddle: I have 5 in the tenths place I have 7 in the thousandths place I have 4 in the ones place I have 2 in the hundredths place. What number am I? Write your own riddle.</p>
<p>21. Ben has 6 square tiles. Each tile has a width of 8 inches. He lays the tiles down in a long row. What is the perimeter of the row of tiles? What is the area?</p>	<p>14. Write two different number sentences that are equal to 48. Each number sentence must contain the four operations =, +, -, x, ÷ and use appropriate order of operations.</p>	<p>11. Write two sentences that are equal to 48. Each number sentence must contain the four operations =, +, -, x, ÷ and use appropriate order of operations.</p>	<p>6. Find all the different ways you can divide a deck of cards into equal amounts with no cards left over. Write division sentences to show the different ways you found.</p>

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

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

Return this calendar to your 5<sup>th</sup> grade teacher in August.

## Students Entering 5th Grade - August

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

<p>phia runs twice as fast as her end Mia. If Mia runs 3 mph, how long will it take phia to run 6 miles? ... 9 miles?</p>	<p>2. What factors can you use in this equation, <math>\_\_ \times 5 = \_\_</math> to make a product that is an odd number between 30 and 80?</p> <p>Show all possible solutions.</p> <p>Explain your strategy.</p>	<p>3. The difference between two mixed numbers is <math>3 \frac{1}{4}</math>. What might the two mixed numbers be? Show as many different solutions as you can. Explain your strategy.</p>	<p>4. I earn \$5 per hour babysitting and \$4 per hour for weeding the garden. Last week I did 7 hours babysitting and 6 hours weeding. How much more money do I need to buy a game that costs \$80.00?</p>	<p>5. Vowels are worth \$50 each, consonants are worth \$40 each. Can you make a word worth exactly \$200? \$600?</p>	<p>6. Play <i>Product Game</i> at Illuminations.nctm.org</p> <p>Click on Activities</p> <p>Click 3-5. Search</p> <p>Select <i>Product Game</i></p>	<p>7. Evan can paint 18 pots in one hour. His brother can paint 4 fewer pots per hour than he paint. How many pots can they both paint in 3 hours, 30 minutes?</p>
<p>ier sent a package with one cent stamp, ur 32 cent stamps, three 25 cent stamps, and ur one cent stamps. Write the equation to solve the problem. Solve</p>	<p>9. Mia drank 3 quarts of water at the playground. How many more 8 oz. cups does she need to drink to make a gallon? How many more total ounces is that?</p>	<p>10. Play the <i>Factor Game</i> on the web.</p> <p>Illuminations.nctm.org</p> <p>Click on Activities</p> <p>Click 3-5. Search</p> <p>Select <i>Factor Game</i></p> <p>Select Game Type 30</p> <p>What's your score if you play against the computer? Against a partner?</p>	<p>11. Play <i>Concentration</i> at <a href="http://www.illuminations.nctm.org">www.illuminations.nctm.org</a></p> <p>Choose: fractions, face down.</p> <p>Draw pictures that represent some fractions.</p>	<p>12. Read <i>Divide and Ride</i> by Stuart Murphy.</p> <p>How can 13 children be arranged on a park ride that seats 2? 3? 4? 5? How many kids are left waiting?</p>	<p>13. Find the area of your bedroom floor. What room in your house could have twice the area of your bedroom? Half the area of your bedroom? Check.</p>	<p>14. A tree was planted 36 years before 1971. How old is the tree in this year? How old will this tree be when you graduate from high school?</p>
<p>ownload onundra Math a smart phone, ad, or a tablet.</p>	<p>16. Read Anno's <i>Mysterious Multiplying Jar</i> by M. Anno.</p> <p>If there are 2 towns with 8 schools and 11 doors in each school, how many doors in all?</p>	<p>17. <math>8 \times 6</math> <math>8 \times 7</math> <math>8 \times 8</math> <math>8 \times 9</math></p> <p>What's your strategy? Skip count by 8s forward &amp; backward.</p>	<p>18. Three consecutive numbers have a sum of 30,000. What are the numbers? After you solve this problem make up a similar one for a family member or friend to solve.</p>	<p>19. Gary pays for his lunch with a \$5.00 bill. He receives 5 quarters, 1 dime, 2 nickels, and 4 pennies in change. How much did his lunch cost?</p>	<p>20. A cake recipe calls for you to use <math>\frac{3}{4}</math> cup of milk, <math>\frac{1}{4}</math> cup of oil, and <math>\frac{1}{2}</math> cup of water. How much liquid is needed to make two cakes? Is this more or less than a quart? How do you know?</p>	<p>21. Go on a 3-D scavenger hunt. How many cylinders, pyramids, cubes, rectangular prisms, and cones can you find today? Create a table with your data.</p>
<p>2. Play a game. Close to 1,000</p>	<p>23. Read <i>GIS for Google</i> by David M. Schwartz (pp 26-27).</p> <p>Make a mobius strip. What happens when you try to paint or color just one side?</p>	<p>24. Determine the pattern. What comes next in each pattern?</p> <p>1, 1, 2, 4, 7, _____</p> <p>4, 9, 16, 25, _____ 49,</p> <p>Make your own pattern.</p>	<p>25. A regular pentagon measures <math>2 \frac{1}{8}</math> cm on one side. What is the perimeter of the pentagon?</p>	<p>26. Play the game <i>Multiplication Compare</i> (see directions)</p>	<p>27. Measure the distance you can jump from a standing position to the nearest <math>\frac{1}{4}</math> inch. Record the distance of 5 jumps. What is your total?</p>	<p>28. Make the largest and smallest numbers you can find using the digits 6, 4, 1, 7, 8, and 2. Find their difference and sum.</p>

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

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

Return this calendar to your 5<sup>th</sup> grade teacher in August.

