PREPARE FOR **COLLEGE**

PREPARE FOR **LIFE**

6th Grade Summer Packet

2023-2024

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6101 North Habana Ave
Tampa, Florida 33614

Dear Sixth Grade Parents,

We are praying that your summer vacation is relaxing and enjoyable. We have assigned summer homework to help maintain your child's reading and math skills. These skills are critical for success next year.

Reading

Students entering sixth grade are required to read five books this summer.

- ONE required read
  - Tuck Everlasting by Natalie Babbitt
- FOUR books chosen from the Reading Choice Board
  Fill in the title of the book your child read for that activity.

Students should bring their completed Reading Choice Board and their copy of Tuck Everlasting to class on August 10th. They will be discussing and completing assignments based on the required reading book.

Math

Math Students have been assigned a 50 Day Summer Challenge. Each day they will look at the calendar to find that day's numbers. - They will add, subtract, multiply, divide, round, etc. completing basic mathematical operations using the "Summer Math Challenge Guide" to maintain base skills. The 50 Day Summer Challenge is completed using a duo-tang folder. Please label each day's work neatly. Start with a new page for each day – do not combine days on the same page. **Calculators may not be used.** For each problem, **all work for every step** must be shown to receive credit. Students must complete the math challenge questions for a minimum of 30 days to receive credit.

All summer assignments will be due on the first day of school, Wednesday, August 9th. These will be graded in the formative category and will count as your first quiz grade of the year.

We look forward to a great school year,

Your Sixth Grade Team

6TH GRADE

READING CHOICE BOARD

Read an adventure story. Title_____	A book about children living in a different country. Title_____	Listen to an audiobook. Title_____	Read an autobiography of a person you admire. Title_____
Read a book about sports. Title_____	A book with an animal as the main character. Title_____	Read a historical fiction book. Title_____	Read a book that has won an award. Title_____
Read a book of short stories. Title_____	Read a graphic novel. Title_____	Read a book about one of your favorite interests/hobbies. Title_____	Read a book by an author you have read before. Title_____
Read a mystery novel and predict the ending. Title_____	Read a book that has been made into a movie, then watch the movie. Title_____	Read a book based on a true story. Title_____	Read a book that you borrowed from a friend. Title_____

Parent Signature: _____

6th Grade Math Calendar

June 2023

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	29 **392.4** **55.9**	*30* **1/4** **1/9**	*31* **8.67** **7.1**	1 **913,472** **159,101**	2 **920,098** **127,191**	3
4	5 **635.436** **107,092**	6 **922.282** **971.110**	7 **3/5** **1/2**	8 **3.86** **3.68**	9 **16.3** **5.07**	10
11	12 **508,999** **613.921**	13 **2.62** **0.19**	14 **526,192** **911,985**	15 **7/8** **2/7**	16 **43.019** **88.7**	17
18	19 **890.1** **740.4**	20 **5/9** **3/4**	21 **93.2** **50.003**	22 **817,999** **226,874**	23 **762,234** **271,987**	24
25	26 **3/8** **1/4**	27 **746,492** **421,009**	28 **9.97** **4.3**	29 **5/6** **1/3**	30 **516,008** **351,495**	

July 2023

Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1
2	*3* **3/10** **1/5**	*4* **710,191** **405,390**	*5* **114.8** **18.09**	*6* **851,112** **330,626**	*7* **999,384** **437,201**	*8*
9	*10* **672,569** **240,831**	*11* **8/9** **1/3**	*12* **848,543** **334,871**	*13* **50.934** **32.621**	*14* **903,178** **611,364**	*15*
16	*17* **7/8** **1/2**	*18* **916,457** **540,108**	*19* **215,033** **128,226**	*20* **485** **2/3**	*21* **8.64** **2.031**	*22*
23	*24* **3/4** **4/9**	*25* **146.9** **92.036**	*26* **850,673** **441,638**	*27* **462,737** **500,648**	*28* **405,856** **119,739**	*29*
30	*31* **5/8** **1/4**	1 **701.4** **98.4**	2 **823,638** **133,563**	3 **3/5** **2/7**	4 **650,749** **825,615**	5

Date:

6TH GRADE MATH SUMMER CHALLENGE GUIDE

Today's Numbers are _____ and _____.

1. Write both numbers in word form.	2. Compare both numbers using <, >, and =.
3. Find the sum of the numbers.	4. Find the difference of the numbers.
5. Multiply the first number given by today's date. (If it is June 15th, multiply the first number by 15)	6. Divide the second number given by today's date. (if it is June 15th, divide the second number by 15) Write any remainder as a fraction.
7. Take the product from problem #5 and round it to the nearest whole number.	8. Take the quotient from problem #6 and round it to the nearest tenths place. If this is not possible, write "not possible".

9. Challenge!

Complete your challenge problem. Each challenge problem may only be used one time.
Show your work.

Challenge Problems

1. How many 2's must be multiplied together for the product to be a number between 100 and 200?
2. In the restaurant there are 12 square tables. Only one person can sit on each side. What is the greatest number of people that can be seated if the tables are pushed end to end into one large rectangle?
3. At 9:00 a.m., I went to the Ol' Fishin' Hole to fish. There is a three fish per hour limit. If I need 20 fish for a cook-out tomorrow, at what time will I probably have my 20 fish?
4. Mary has three skirts, two blouses, and either black or white shoes that she likes to wear to school. How many days can she go without repeating the same combination of skirt, blouse, and shoes?
5. Julia spent 1/3 of her birthday money. Then she lost 1/2 of the rest. She now has $10 left. How much did she get for her birthday?
6. RIDDLE ME THIS: I'm thinking of a number. It is odd. It's between 1 and 100. It's higher than 20. It is smaller than the answer to 6 x 6. It is a multiple of 5. The sum of its digits is 7.
7. Hank had an average of exactly 84% after taking two tests. On the third test, he scored 96%. Find his average for all three tests.
8. Complete the following number pattern: 14 28 18 36 26 52 42 84 ___ ___ ___
9. You know that the perimeter of a certain rectangle measures 22 in. If its length and width each measure a whole number of inches, how many different areas (in square inches) are possible for this rectangle?
10. The length of one side of a regular hexagon is 20 cm. What is the perimeter of the hexagon?
11. The fifth grade is going on a field trip to the zoo. The zoo requires that for every 15 students, there must be one chaperon. If there are 194 students going on the trip, how many chaperones will be needed?
12. What is the greatest six-digit number in which the thousands place is twice the digit in the tens place? What is the least number?
13. If there are two computers for every 40 students at Elm Elementary, how many computers do they have for the 440 students attending school?
14. On one night, 30 fifth graders gathered to study mathematics and science. Of these students, 11 studied math, 15 studied science, and 3 studied math and science. How many students of the group studied neither math nor science?
15. George, Susan, Henry, and Sarah are 7, 8, 9, and 10 years old. Henry is older than Sarah and younger than George. Susan is younger than Henry and older than Sarah. What is each person's age?
16. Farmer Brown had a garden plot that was two yards by three yards. He tripled its length and width the next year. What was the area of the new garden? Did the area triple?
17. If you could fold a paper in half six times, how many sections would there be? How about 8 times?

18. All the fifth-grade classes are going on a field trip. They will take three buses that hold 54 passengers each. If the buses are full and there are seven chaperones going, how many students are going?
19. What are the next two numbers in this pattern? 0, 1, 1, 2, 3, 5, 8, _____, _____
20. Add, subtract, multiply, and/or divide the numbers shown to get an answer of two. You may change the order, but you must use every number once and only once. Write an equation (number sentence) to show how you got your answer.
    10 8 7 6 4
21. Hannah sold $65 worth of barbecue tickets. Adult tickets cost $4 each and children's tickets cost $3 each. How many adult tickets could Hannah have sold? Is there more than one possible solution to this problem?
22. In five days, how many times would a clock show 11:30?
23. Marcus got 37 hits in 46 times at bat during one Little League season. Laverne got 23 hits in 31 times at bat. Who was the better hitter?
24. A train leaves Miami for Atlanta, 600 miles away, traveling at a rate of 125 miles per hour. At the same time another train leaves Atlanta for Miami, traveling at a rate of 75 miles per hour. When the two trains meet, which train is nearer to Miami?
25. From the bottom of a thirty-foot hole, a frog can climb up four feet each day, but slips back two feet each night. In how many days does the frog escape from the hole?
26. On June 1, the temperature in Charlotte, North Carolina, was 83 degrees Fahrenheit. In Oslo, Norway, the temperature was -27 degrees Fahrenheit. What was the temperature difference?
27. John can cut a log into three pieces in 24 minutes. At this rate, how long will it take him to cut another similar log into eight pieces?
28. A recipe for three quarts of punch calls for 1/2 cup of lemon juice. Your mom has only 1/3 cup of lemon juice. Does she have enough for two quarts of punch, one quart of punch, or would you have to give up the idea of making punch until she gets more lemon juice? Explain.
29. A zookeeper is ordering food for the zebras. She knows that three zebras eat 25 pounds of hay every three days. How much hay should she order for 12 zebras to have enough hay for 30 days?
30. Without using pennies, how many ways can you make change for a half dollar? Explain.