

PREPARE FOR **COLLEGE**



PREPARE FOR **LIFE**

National Blue Ribbon School

2020

6th Grade Summer Packet

2024-2025



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2020

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 THREE books this summer. -Choose ONE book from the required reading list below

Required Reading List: (Choose ONE)

- *Anne of Green Gables* by L.M. Montgomery
- *The Secret Garden* by Frances Hodgson Burnett
- *Hatchet* by Gary Paulsen
- *On the Edge of the Dark Sea of Darkness* by Andrew Peterson (or any in the series)
- *A Long Way from Chicago* by Richard Peck
- *The Lightning Thief* by Rick Riordan (or any in the series)
- *Magnus Chase and the gods of Asgard* by Rick Riordan (or any in the series)
- *The Penderwicks* by Jeanne Birdsall
- *Harry Potter and the Sorcerer's Stone* by JK Rowling (or any in the series)
- *The Diary of a Sixth Grade Ninja* by Marcus Emerson
- *Iceberg* by Jennifer A. Nielson (or any Jennifer A. Nielson you chose)

- Choose TWO books from the ideas on the Reading Choice Board

- Fill in the title and author of the books your child read on the choice board.

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 14th. 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 2024

Sun Mon Tue Wed Thu Fri Sat

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

July 2024

Sun Mon Tue Wed Thu Fri Sat

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

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! (Optional)

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 $\frac{1}{3}$ of her birthday money. Then she lost $\frac{1}{2}$ 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 6×6 . 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 $\frac{1}{2}$ cup of lemon juice. Your mom has only $\frac{1}{3}$ 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.