



MIDDLE SCHOOL

May, 2022

Dear Incoming Fifth–Grade Students and Parents,

Attached you will find the required summer math materials that each student should have completed by the first day of class. The assignment has been broken up into three parts and is intended to be finished in monthly segments. While students are more than welcome to complete the entire assignment at one time, it is recommended that this is done towards the end of summer break if they choose to do so.

This assignment will be collected on the first day of school. It will be graded and count as a quiz score. In order to receive full credit, students must show their work for each problem and circle their answer. Students are required to show all work on a separate sheet of paper. Any extra sheets should be turned in with the assignment. If student work is illegible, credit will not be given. Once a student has completed a segment of the assignment, they are required to get a signature from their parent or guardian. In total, there should be three parent signatures for a completed packet.

When completing summer work, please remember the following:

- A parent signature and date is required when each segment is finished.
- Process should be shown for each problem on a separate sheet.
- No Calculators are permitted to solve problems.
- Full credit will not be given if process is not shown.
- Partial credit will be given if handwriting is illegible.

In addition, please review basic math facts over the summer to keep skills and retrieval sharp for the next year. Mastery of addition, subtraction, multiplication, and division facts are crucial for success in the fifth grade.

Thank you in advance for your cooperation and support. This work will help everyone have a stronger beginning in the fall. We are looking forward to meeting and working with all of you in the upcoming school year.

Sincerely,
Mrs. Langenbahn and Hirsch

Name: _____

June Summer Math Work



Neatly, copy problem 1-10 onto a separate sheet of paper and solve.
Circle your final answer. You will need to turn in this work.

1.) $34 + 29 + 18$

2.) $4,000 - 623$

3.) $175 + 32 + 203$

4.) 35×6

5.) $54 \div 3$

6.) 429×6

7.) $24,064 + 3,907$

8.) $709 \div 4$

9.) $5,203 - 81$

10.) $924 - 87$

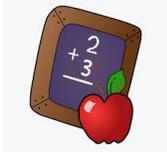
11.) Round to the nearest thousand: 4,357 _____

12.) Round to the nearest ten thousand: 67,497 _____

13.) What value does the "6" have in this number 6,451,324?

14.) What value does the "5" have in this number 321,500?

15.) What are 2 things that are the same about a square and a rectangle?



For problems 16-20 neatly show your process to solve the problem on a separate sheet of paper. Be sure to number the problem and circle your final answer. Don't forget to label your answers.

16.) 6,865 people bought tickets to Reds game online and 1,373 people bought tickets at the gate. How many tickets were sold in total?

17.) Charmander has 755 health points. Squirtle uses water gun and lowers Charmander's health by 95. How much health does Charmander have left?

18.) How many guests could the largest igloo sleep? The largest igloo had 27 rooms and 4 people can fit into each room.

19.) LeBron James averages 29 points per game. Using this average, how many points will he have if he plays 20 games?

20.) Mary worked 1 hour on Monday, $2\frac{1}{2}$ hours on Tuesday, and 4 hours on Wednesday. If this pattern continues how long will she work on Friday?

21.) Give the next 3 numbers in the following pattern. Then state in words a "rule" for the pattern.

3, 5, 7, 9, __, __, __

22.) Give the next 3 numbers in the following pattern. Then state in words what the pattern is.

2, 4, 8, __, __, __

23.) $\frac{3}{10} + \frac{5}{10} =$

24.) Name 2 consecutive numbers whose sum is 63. Consecutive numbers are numbers that are one away from each other. (Example: 1,2 or 5,6).

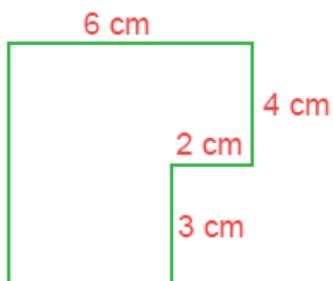
25.) The clock shows 11:45 AM. What is the time 45 minutes later? _____

26.) $5\frac{5}{10} - 1\frac{3}{10} =$

27.) Divide a mystery number by 8. Add 6. You end up with 10. What is the mystery number?

28.) What is the perimeter of a square with a side length of 4 inches?

29.) Find the perimeter of the following shape:



30.) Convert the improper fraction, $\frac{24}{7}$, to a mixed number.

Parent Signature: _____

Date Completed: _____

Name: _____

July Summer Math Work



Neatly, copy problem 1-11 onto a separate sheet of paper and solve.
Circle your final answer.

1.) $543 + 398 + 479$

2.) $5,080 - 2,283$

3.) $3.87 + 4.887 + 2.179$

4.) 378×34

5.) $398 \div 5$

6.) $441 \div 9$

7.) $2,570.8 - 443.8$

8.) 85.6×3.4

9.) 5.399×0.3

10.) $8.000 - 2.766$

11.) $856 - 123 + 67 =$

12.) Round to the nearest thousand: 275,856 _____

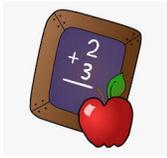
13.) Round to the nearest ten thousand: 318,950 _____

14.) What value does the "8" have in the number 7,897,100? _____

15.) What value does the "4" have in the number 542,339? _____

16.) $\frac{11}{12} - \frac{3}{12} =$

17.) $\frac{11}{12} + \frac{3}{12} =$



For problems 18-25 neatly show your process to solve the problem on a separate sheet of paper. Be sure to number the problem and circle your final answer. Don't forget to label your answers.

18.) If the Bengals score 5 touchdowns a game for 16 games, how many points will the team score by the end of the season? Assume that each touchdown is worth 7 points.

19.) On a Saturday night, the Broadway showing of *Hamilton* had 2,348 people attend. The following Saturday, 1,797 more people attended than the previous week. How many people went on the second weekend?

20.) How many times was the world's most-petted dog petted? Over a period of 8 years, Josh the Wonder Dog was petted by an average of 59,850 people per year.

21.) Divide a mystery number by 9. Add 10. You end up with 17. What is the mystery number?

22. To Grandmother's house! Grandma lives in Middletown and her children and grandchildren all live within 30 miles. Scott and his family live 15 miles south of Grandma. Jane lives 20 miles north of Brian. Robin lives 5 miles south of Scott. Brian lives 10 miles north of Robin. Kate lives 15 miles south of Brian. How far does each person live from Grandma?

23.) Hirsch's apartment building is eleven stories high. All of the even numbered floors have 5 apartments. All the odd number of floors have 4 apartments. How many apartments are in Hirsch's building?

24.) Multiply a mystery number by 4. Subtract 16. You get 20. What is the mystery number?

25.) What is the perimeter of a rectangle that measures 10 yards on one side and 16 yards on another side?

26.) Convert the improper fraction, $\frac{38}{7}$, to a mixed number _____

27.) What is the sum of the first five odd numbers? _____

28.) I am a number between 10 and 30. The sum of my digits is even. One of the digits is twice the other. What number am I?

29.) Round 0.7612 to the hundredths place _____

30.) Round 0.7612 to the tenths place _____

Parent Signature: _____

Date Completed: _____

Name: _____

August Summer Math Work



Neatly, copy problem 1-11 onto a separate sheet of paper and solve.
Circle your final answer.

1.) $9.870 + 5.79 + 634.8$

2.) $144 \div 12$

3.) $621 \div 3$

4.) $5.72 \div 8$

5.) $8.870 + 5.79 + 5.8$

6.) $5070 - 4047$

7.) $2199 + 107$

8.) $5222 + 1638 - 59$

9.) 25×100

10.) $85 + 51 - 100$

11.) $\$664.25 + \$39.86 =$

Using $<$, $>$ and $=$, compare the following numbers:

12.) $6.2 \square 6.02$

13.) $1.00 \square 0.100$

14.) $\frac{1}{3} \square \frac{1}{4}$

15.) $\frac{3}{4} \square \frac{2}{3}$

16.) Write five million, three hundred, nine in standard form _____

17.) Round to the nearest hundred thousand: 3,143,987 _____

18.) What value does the "8" have in the number 78,279,005? _____

19.) What value does the "0" have in this number 302,876,443? _____

20 .) $\frac{5}{16} + \frac{1}{8} + \frac{1}{4} =$

21.) $\frac{1}{5} + \frac{1}{15} + \frac{2}{5} =$

22.) Multiply the mystery number by 9. Subtract 6. You get 30. What is the mystery number?

23.) $100,000 + 50,000 + 4,000 + 300 + 1 =$ _____

24.) The telephone was invented in 1876. The cell phone was invented 103 years later. What year was the cell phone invented?

25.) The difference of two numbers is 12 and their product is 64. What are the numbers?

26.) The sum of three numbers is 89. One of the numbers is 23. The other two are the same. What are they?

27. There are 14 French students in 5th grade, 20 in 6th grade, 17 in 7th grade and 19 in 8th grade. What is the total number of French students in the Middle School?

28.) Using the answer from question #27, if there are 202 students in the Middle School, how many students take either Spanish or Mandarin?

A magic square uses each number once. The sum of the numbers along each row, column and diagonal is the same. Complete the magic square.

29.) Use numbers 1-9

30.) Use numbers 0-8

8		4
	5	

	8	
	4	
5		7

Parent Signature: _____

Date Completed: _____