5TH GRADE
SUMMER WORK

2022 NASHVILLE CHRISTIAN SCHOOL
Students will receive a daily grade for each section

SERVE

Project
Choose a project from **this list** or create your own

3 Paragraph Reflection
What you chose and why
Process of completion
How did it make you feel

MATH

DreamBox
Complete 3 Lessons per Week or 30 Total

4th Grade Skills Review
Complete Practice Page for each skill
Add, Subtract, & Round Numbers
Multiply 1 & 2 Digit Numbers
Long Division
Simplify Fractions
Word Problems

READ

Novel #1
The Lion, the Witch and the Wardrobe

Your Choice Novel #2
Number the Stars
Finding Langston
Turtle in Paradise
Miracles on Maple Hill

PRESENT

About Me Presentation
Format: Google Slides, Keynote, or Powerpoint
Slides 1-3: Name, Birthday, Favorite Things, Fun Facts
Slide 4: Family and Friends
Slide 5: Summer trips, activities, and hobbies
Slide 6: Novel- What you chose, why, and favorite part
Slide 7: When I Grow Up...
Side 8: Favorite Bible Verse

All students will present their slideshows during the first week of school.

LOWER SCHOOL
Summer of SERVICE

Grade Level	Response to Service
First	Email a picture to your child's teacher of your summer service project by the first full day of school. Your child should be prepared to explain to the class what they did for their service project. This share time will act as a pre-assessment for listening and speaking.
Second	Email a picture to your child's teacher of your summer service project by the first full day of school. Your child should be prepared to explain to the class what they did for their service project. This share time will act as a pre-assessment for listening and speaking.
Third	Create a ½ sheet of poster board display with pictures and captions documenting the project which can be used to guide an oral presentation. A digital option of a slide show with at least 3 slides with pictures and captions could be sent instead of a poster board.
Fourth	Create a ½ poster board with photos from their project. Please include captions under photos to guide oral explanation of the project.
Fifth	Write a 3 paragraph reflection describing what you chose and why, the process of completion, and how working on this project felt.

Project Ideas

- Collect food for a food pantry.
- Clean up your local park.
- Host a bake sale. Donate funds raised to a charity.
- Write letters to seniors in care facilities.
- Put together first aid kits for shelters.
- Organize a food drive in your neighborhood.
- Host a lemonade stand for your favorite cause.
- Donate gently used toys for kids in need.
- Write letters to servicemen and servicewomen.
- Collect school supplies for local schools in need.
- Go through books you have grown out of and donate them.
- Put together a care package or bake cookies for servicemen/women.
- Make care packages for people who may be experiencing homelessness.
- Do yard work for elderly neighbors or relatives.
- Ask to do chores such as sweeping or vacuuming for an elderly neighbor or relative.
- Make and send cards spreading joy to friends, family, neighbors, and community members.

Written Response Outline

Paragraph 1: What did you choose for your project and why?

_____

_____

_____

_____

Paragraph 2: Explain the steps to complete the project

_____

_____

_____

_____

Paragraph 3: How did completing this project make you feel? Why is it important to serve?

_____

_____

_____

_____

Adding Whole Numbers

1. Write the problem vertically, lining up the numbers to the right.

2. Add the ones digits of the numbers. If the sum is 10 or more, carry the tens digit and write the ones digit in the answer.

3. Repeat with the tens digits. Be sure to add in any carried digits, too!

4. Continue working right to left until there are no more digits to add.

ex: 5,938 + 746

$$
\begin{array}{r}
{}^{1}5\,{}^{1}9\,3\,8 \\
+\quad 7\,4\,6 \\
\hline
6\,6\,8\,4
\end{array}
$$

→ 6,684

Subtracting Whole Numbers

1. Write the problem vertically, lining up the numbers to the right.

2. Subtract the ones digits of the numbers. If the top digit is less than the bottom digit, borrow. (Cross out the digit next to it and decrease it by one. Add 10 to the ones digit.) Then subtract the bottom digit from the new top one.

3. Repeat with the tens digits of the numbers.

4. Continue working right to left until there are no more digits to subtract.

ex: 458 - 268

$$
\begin{array}{r}
{}^{3}\cancel{4}\,{}^{15}\cancel{5}\,8 \\
-\quad 2\,6\,8 \\
\hline
1\,9\,0
\end{array}
$$

→ 190

Rounding Whole Numbers

hundred-thousands	ten-thousands	thousands	hundreds	tens	ones
—	—	—	—	—	—

ex: round 34,647 to the nearest hundred

The 6 is in the hundreds place.

Keep the 34 the same.

After the 6 is a 4, which is less than 5, so the 6 stays the same and the numbers after it turn to zeroes.

→ 34,600

1. Keep all digits to the left of the place you are rounding the same.

2. If the digit to the right of the rounding digit is less than 5, keep the rounding digit the same. If it's 5 or greater, increase the rounding digit by 1.

3. Change all places to the right of the digit you are rounding to 0.

Find each sum or difference.

1. 89 + 74	2. 627 + 913	3. 723 + 11
4. 2,354 + 3,728	5. 1,925 + 89	6. 7,627 + 836
7. 53 − 31	8. 682 − 426	9. 844 − 79
10. 2,365 − 1,299	11. 3,014 − 45	12. 5,200 − 845

Round the number 245,382 to the nearest given place value.

13. hundred	14. ten-thousand	15. thousand	16. ten

Multiplying by 1-Digit Numbers

1. Write the problem vertically, with the greater number on top. Be sure to line up the numbers to the right.

2. Multiply the bottom number by the ones digit of the top number. Write down the ones digit of that answer and carry the tens digit.

3. Multiply the bottom number by the tens digit of the top number. If you carried a digit from the first product, be sure to add it to you your new product. Write down the ones digit of the answer and carry the tens digit.

4. Repeat with any remaining digits of the top number, working right to left.

ex: 892 x 6

$$\begin{array}{r} {}^{5}8\,{}^{1}9\,2 \\ \times \quad 6 \\ \hline 5\,3\,5\,2 \end{array}$$
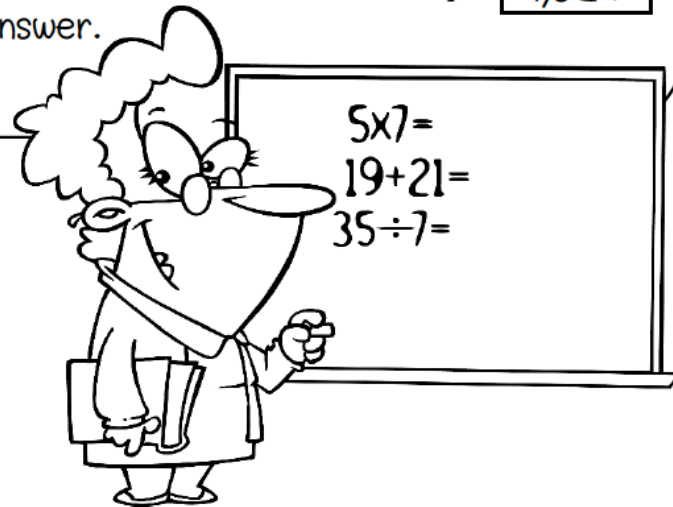
→ $\boxed{5{,}352}$

Multiplying Two 2-Digit Numbers

1. Write the problem vertically. Be sure to line up the numbers to the right.

2. Multiply the ones digit of the bottom number by each digit of the top number, right to left, (as explained in the multiplying by 1-digit numbers section above).

3. Bring down a zero.

4. Multiply the tens digit of the bottom number by each digit of the top number, right to left, (as explained in the multiplying by 1-digit numbers section above).

5. Add the two products together to get your final answer.

ex: 76 x 24

$$\begin{array}{r} {}^{1}_{2} \\ 7\,6 \\ \times \quad 2\,4 \\ \hline 3\,0\,4 \\ +\quad 1\,5\,2\,0 \\ \hline 1\,8\,2\,4 \end{array}$$

→ $\boxed{1{,}824}$

5x7=
19+21=
35÷7=

Find each product.

|		
17. 24 x 7	18. 96 x 3	19. 57 x 2
20. 845 x 5	21. 910 x 8	22. 341 x 6
23. 1,387 x 4	24. 8,452 x 9	25. 5,023 x 8
26. 34 x 21	27. 84 x 13	28. 95 x 64
29. 32 x 20	30. 67 x 89	31. 72 x 44

Dividing with 1-Digit Divisors

1. Write out the long division problem with the first number (dividend) underneath the division symbol and the second number (divisor) to the left of the division symbol.

2. Divide the divisor into the smallest part of the dividend it can go into and write the number of times it can go in on top of the division symbol.

3. Multiply the number on top by the divisor and write the product under the number you divided into in step 2.

4. Subtract your product from the number above it.

5. Bring down the next digit of the dividend.

6. Repeat steps 2-5 until there is nothing left to bring down.

7. If your last subtraction answer is not zero, write the remainder on top.

ex: $6,413 \div 9$

$$\begin{array}{r} 7\ 1\ 2\ \text{R}\ 5 \\ 9\overline{)6\ 4\ 1\ 3} \\ -63 \\ \hline 11 \\ -9 \\ \hline 23 \\ -18 \\ \hline 5 \end{array}$$
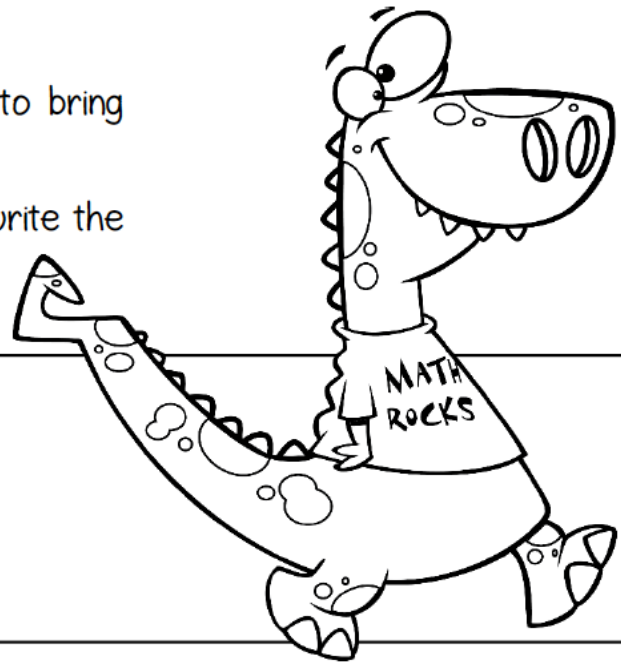
Checking Division Answers Using Multiplication

1. Multiply your quotient (not including the remainder) by the divisor.

2. Add your remainder to the product you get.

3. Make sure the answer you get is the same number as the dividend in the original problem.

ex: $6,413 \div 9 = 712\ \text{R}\ 5$

$$\begin{array}{r} 7\ 1\ 2 \\ \times\ \ \ \ 9 \\ \hline 6408 \end{array} \qquad \begin{array}{r} 6408 \\ +\ \ \ \ \ 5 \\ \hline 6413 \end{array}$$

Find each quotient. Check your answers using multiplication.

32. $95 \div 6$	33. $58 \div 2$	34. $86 \div 3$
35. $232 \div 4$	36. $512 \div 7$	37. $203 \div 8$
38. $625 \div 5$	39. $442 \div 9$	40. $102 \div 3$
41. $2,304 \div 6$	42. $1,832 \div 7$	43. $9,203 \div 8$

Simplifying Fractions

1. Divide the numerator and denominator by a common factor.

2. Repeat until the only common factor of the numerator and denominator is 1.

ex: simplify $\frac{10}{12}$

you can divide both 10 and 12 by 2

$$\frac{10}{12} \begin{array}{c} \div 2 \\ = \\ \div 2 \end{array} \boxed{\frac{5}{6}}$$

the only number you can divide both 5 and 6 by is 1, so you are done!

Comparing Fractions

1. Find a common denominator for the fractions by finding a common multiple of the two denominators.

2. For each fraction, determine what you multiplied the denominator by to get that common denominator, and then multiply the numerator by that same number.

3. Now that the fractions are rewritten with common denominators, compare the two fractions. The fraction with the larger numerator is greater.

4. Use the appropriate symbol to compare the fractions.
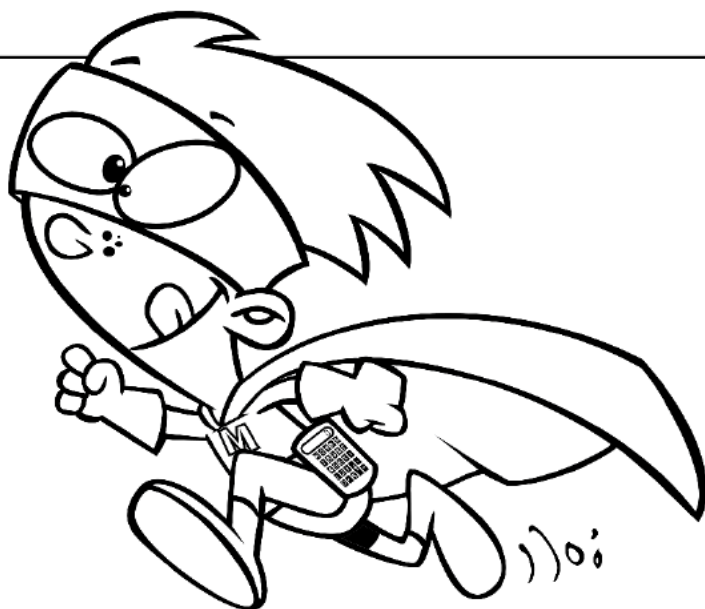   <: less than,   >: greater than,   =: equal to

ex: compare: $\frac{3}{4} \bigcirc \frac{5}{6}$

12 is a multiple of both 4 and 6

$$\frac{3}{4} \begin{array}{c} \times 3 \\ = \\ \times 3 \end{array} \frac{9}{12} \qquad \frac{5}{6} \begin{array}{c} \times 2 \\ = \\ \times 2 \end{array} \frac{10}{12}$$

$$\frac{9}{12} \;\text{\large(}<\text{\large)}\; \frac{10}{12}$$

9 is smaller than 10, so the 1st fraction is LESS THAN the 2nd fraction

Simplify each fraction.

60. $\frac{9}{12}$	61. $\frac{6}{8}$	62. $\frac{6}{15}$	63. $\frac{4}{8}$
64. $\frac{8}{24}$	65. $\frac{3}{12}$	66. $\frac{2}{10}$	67. $\frac{10}{30}$

Compare each pair of fractions using <, >, or = by renaming them with a common denominator.

68. $\frac{3}{5}$ ◯ $\frac{2}{10}$	69. $\frac{1}{4}$ ◯ $\frac{1}{6}$	70. $\frac{3}{5}$ ◯ $\frac{7}{10}$
71. $\frac{1}{2}$ ◯ $\frac{4}{8}$	72. $\frac{1}{5}$ ◯ $\frac{4}{15}$	73. $\frac{2}{9}$ ◯ $\frac{1}{3}$
74. $\frac{7}{8}$ ◯ $\frac{3}{4}$	75. $\frac{3}{9}$ ◯ $\frac{2}{6}$	76. $\frac{1}{2}$ ◯ $\frac{1}{3}$

Solve each word problem.

92. Tina left her house at 6:45 AM. She came home at 1:35 PM. How long was she out of the house?	93. Greg made $18 per hour doing yardwork. If he worked for 6 hours, how much money did he make?	94. Mrs. Appleton baked 24 cookies. If she split the cookies evenly among her 5 children, how many cookies did each child get? How many cookies were leftover?
95. If Tyler is currently 51 inches tall, how many inches more does he need to grow to be 5 feet tall?	96. 24 out of the 30 students in Mr. Willow's class ride the bus to school. What fraction of the class does not ride the bus? Express your answer in simplest form.	97. Xavier played video games for 1 hour and 45 minutes before he went to bed. If he went to bed at 9:00 PM, what time did he start playing video games?
98. Hot dogs come in packages of 12. Hot dog buns come in packages of 8. What is the least number of hot dogs & buns you can buy so that you have the same number of each?	99. Joelle makes $9 each hour she babysits. If a new phone costs $112, how many hours must she babysit so that she has enough money to buy the phone?	100. Heather goes to ballet three times a week for 30 minutes each time. She tap dances twice a week for 45 minutes each time. How much time in all does she dance per week?

PLANNER