LOWELL CATHOLIC

ELEMENTARY DIVISION

Dear Rising Fifth Grader,

Research shows that students regress over the summer and lose some of what was learned over the school year. I know, I can hear the moans and groans already. Let me assure you this summer math project should be simple and painless. My goal with your summer Math project is to keep your mind sharp and ready for your first day of Fifth grade!

This packet has just 3 pages. Do the math, if you plan accordingly and complete a little each week you will have time to spare. Do not procrastinate and put this math project off to the last minute! I recommend you break it down and do a little bit each week. **This project is due on 9/1/2026 and will receive a test grade. As always, you should use a pencil and show all of your work on a separate piece of paper with your name on it.**

As part of your summer math project, I want you to keep your ears and eyes open for a time when you use your math skills. Perhaps you used your estimating skills to determine what the grocery bill was going to be or calculate the cost of filling up the gas tank for a family trip. Maybe you used your measuring skills to help prepare a favorite recipe or sold lemonade and had to make change for a customer. Family game night is another great opportunity to use your math skills. Play a game of Monopoly, Yahtzee, Battleship or Multiplication War with friends and family. Tell me about these real life Math experiences on the last page of your packet.

In this packet you may come across some topics you are not familiar with. That is okay. If you are having difficulty with a topic, I suggest using Khan Academy as a resource. You will find videos to help you work through a topic at www.Khanacademy.com. My email address is scrockett@lowellcatholic.org if you need to reach out with questions or concerns.

Enjoy the lazy days of summer with your family and friends! I look forward to seeing you soon!

Warm Regards,
Mrs. Crockett

List the factors of 20.

List the factors of 8.

List the factors of 24.

List the first five Multiples

16:

9:

11:

Find the Product!

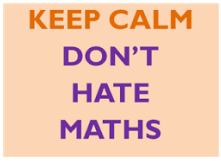
81 x 22 =
17 x 14 =
39 x 24 =
20 x 10 =

Add Fractions

1. $\frac{1}{5} + \frac{3}{5} =$
2. $\frac{2}{6} + \frac{3}{6} =$

Math is Everywhere

Write a 5 sentence paragraph about your feelings about math. (It's alright if you don't like math or you don't do well in math. You can tell me and I won't be upset!)



Compare Fractions
Using greater than, less than or equal to symbols

1. $\frac{5}{9}$ $\frac{1}{9}$
2. $\frac{2}{10}$ $\frac{6}{10}$
3. $\frac{2}{8}$ $\frac{1}{4}$

Divide

Find the quotient.

1. 164 ÷ 4 =
2. 819 ÷ 9 =
3. 176 ÷ 2 =
4. 306 ÷ 6 =
5. 14405 ÷ 215 =

Ordering Fractions
from least to greatest
(do all)

1. $\frac{8}{3}, \frac{5}{3}, \frac{2}{3}, \frac{7}{3}$
2. $\frac{2}{3}, \frac{1}{2}, \frac{3}{4}, \frac{4}{5}$

Math is Everywhere

Write a 5 sentence paragraph about how math is used when you are shopping for groceries.



Place Value Write each in standard form: 1. Six hundred thirty five 2. 52 thousand nine. 3. 324 thousand one hundred fifty two. 4. Fifty four thousand one hundred twenty two.	*Base Powers of Ten* 1. 54 x 10 = 2. 398 x 1,000 = 3. 792 x 100 = 4. 853 x 10=	Math is Everywhere Write a 5 sentence paragraph telling how math is used when playing your favorite sport. 
Divide Multiples of 10, 100 and 1,000 1. 450 ÷ 5 = 2. 4500 ÷ 5 = 3. 45,000 ÷ 5 = 4. 5400 ÷ 6 = 5. 54,000 ÷ 6 =	Math Vocabulary Vocabulary: What operations is used when asked to find: 1. Sum 2. Difference 3. Product 4. Quotient 5. Total	Multiplying Decimals Word Problem School lunches cost $14.50 per week. About how much would 10 weeks of lunches cost?
Math is Everywhere Play a MATH game on CoolMathGames.com for 15 minutes. Write a 5 sentence paragraph describing the game you played and your strategy for winning. 	Multiplying 1. 163 x 2 = 2. 548 x3 = 3. 712 x 8 = 4. 912 x 7=	*Subtraction* 1. 9,228 - 5,742 2. 5,319 - 3,957 3. 4,881 - 4,136 4. 6,364 - 3,878 5. 5,319 - 3957

Find the sum

1. 89,961 + 53,623
2. 71,551 + 93,951
3. 87,252 + 53,399
4. 27,179 + 89,898
5. 48,297 + 31,888

Word Problems

At the snack shack, Ken spent $2.50 on ice cream, $3.75 on Doritos and a bottle of water for $2.25. How much did his snack cost in total?

State whether the number is prime or composite. List the factors.

1. 35
2. 9
3. 28
4. 13

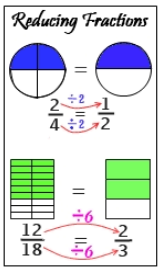
Reduce Fractions

Reduce each fraction to its lowest form.

1. $\frac{12}{18}$
2. $\frac{14}{63}$
3. $\frac{42}{48}$
4. $\frac{35}{28}$

Math is Everywhere

Write a brief explanation of the method you use to reduce fractions.



Evaluating Mathematical Expressions
Remember to use PEMDAS!

42 ÷ 6 × 2 - 9

(40 ÷ 5) - 7 + 2

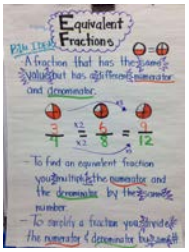
28 - 4 × 7

45 ÷ 5 + 36 ÷ 4

Write the decimal equivalent

- 1/10 =
- 5/100 =
- 3/10 =
- 25/100 =
- 33/100 =
- 50/100 =

Equivalent Fractions



$\frac{x}{3} = \frac{12}{18}$ $\frac{2}{6} = \frac{12}{x}$

$\frac{x}{8} = \frac{42}{48}$ $\frac{18}{x} = \frac{90}{125}$

Round to the nearest hundred

- 33,335
- 281
- 962
- 103
- 1,861

Tell me about a time(s) you used your math over the summer:

Draw a picture that includes the following Geometric Terms. Be sure to label each one. You may color code each one to make it easier to find.

COLOR	**GEOMETRIC TERM**
	Lines
	Rays
	Line Segment
	One pair of Parallel lines
	One pair of perpendicular lines
	One Right Angle
	One Acute Angle
	One Obtuse Angle
	One Triangle
	One Quadrilateral
	One square
	One rectangle
	One parallelogram
	One pentagon