Dear Students,

Today you are receiving a math packet of word problems that is to be completed over the summer months. This packet will reinforce previously taught math concepts. Please be aware that this packet is mandatory for ALL incoming fifth graders.

The completed math packet is to be returned to your math teacher by **Tuesday, September 2nd, 2021**. It will be a first quarter grade in the 2021-2022 school year. ALL answers from each day will be checked for work to determine the grade.

CALCULATORS ARE NOT TO BE USED. The objective of these lessons is to provide practice problems that would develop stronger critical thinking and problem-solving skills. The use of calculators would defeat this purpose.

The packet is comprised of five problems a day, four days a week, for a total of twenty-four days. You should spend 15-20 minutes daily on these math pages. Do not finish the whole packet the first or second week of the summer. This defeats the purpose of maintaining skills throughout the summer months. If you work a little all summer, then you will strengthen your math skills and be ready to begin school again in August.

In August, there will be an open help session provided at designated times for each grade level responsible for the summer math work. The times and date of this help session will be sent out closer to August. Students must have the ENTIRE packet completed along with ALL their work to be permitted to attend this session. Students should have flagged the questions they had trouble with by either using a post it note or circling the problem in the packet. This help session IS NOT to grade the packet for accuracy.

I wish you a safe and fun-filled summer!

Respectfully,
Miss Pavicic

YOU MUST FOLLOW THESE IMPORTANT GUIDELINES!

1) Read each problem twice before solving.

2) All fractions must be in simplified terms.

3) One point will be earned for each correct solution for a total of 120 points, and 30 points will be earned for ALL work shown for a GRAND TOTAL OF 150 POINTS!

Outline of Skill Sets

This page is a detailed listing of the basic skill sets we are assessing each week in the summer math packet.

Week 1 (June 7th): Operations and Algebraic Thinking

Week 2 (June 14th): Measurement and Data

Week 3 (June 21st): Numbers and Operations

Week 4 (June 28th): Geometry

Week 5 (July 5th): Fractions

Week 6 (July 12th): Mixed Review

Week 1 (June 7th – June 10th): OPERATIONS AND ALGEBRAIC THINKING

Monday, June 7th
1) Travis drank 48 glasses of water. If he drank 8 glasses a day, how many days did it take for him to drink all 48 glasses?
2) Solve 36/9 = ?
3) Henry threw a softball 132 feet and Walter threw it 119 feet. How much farther did Henry throw the softball than Walter?
4) After a week of sunshine, 24 tomatoes ripened on the vines. There were 3 ripe tomatoes on each vine. How many tomato vines were there in all? Write a division sentence to show the problem.
5) Paul came to bat 8 times in each of 4 games. Paul got on base or was out 24 times. The rest were home runs. How many home runs did Paul hit?

Tuesday, June 8th
1) Fill in the missing numbers: 42 is ____ times as many as 7, and it is 7 times as many as ____.
2) Tonya jogs 5 miles each week. If she did this for 8 weeks, how many miles would she jog?
3) Mrs. Hong travels 189 miles the first week, 224 miles the second, and 91 miles the third week. Is her total more than of less than 500 miles? Estimate by rounding to the HIGHEST PLACE VALUE.
4) Natalie swam 50 laps at the swim party. That is 12 more laps than Sophia swam. How many laps did Sophia swim?
5) 17/4 =?

Wednesday, June 9th
1) Write and solve a number sentence for eight times as many as 9.
2) List the factors of 32.
3) List 5 prime numbers.
4) List 5 composite numbers.
5) Tanya received 5 times as many votes as Steve. Steve received 6 votes. How many votes did Tanya receive?

Thursday, June 10th
1) Abi called Ella 3 times more than she called Mia. She called Mia 6 times. How many times did Abi call Ella?
2) Carter is a little league pitcher. He EQUALLY practices 5 types of pitches. If he pitches the ball 47 times, how many times will he practice each pitch?
3) Write the first 5 multiples of 9.
4) Write the first 5 multiples of 6.
5) Complete the pattern. 24, 36, 48, 60, _____, _____,. DESCRIBE THE PATTERN. (what is the rule?)

Week 2 (June 14th – 17th): Measurement and Data

Monday, June 14th
1) Trina must spend at least 25 minutes practicing her piano. If she starts at 6:25 p.m., what is the earliest time she can finish?
2) Simon jumped one foot. How many inches did he jump?
3) Max packed 10 boxes of clothes for his move to a new city. Each box weighed 7 kilograms. How many kilograms did the boxes weigh altogether?
4) How many feet are in three yards?
5) The ribbon on the present was 36 inches long. How many feet long was it?

Tuesday, June 15th
1) What is the perimeter of the rectangle to the right? 5 Cm
2) What is the area of the rectangle to the right?
6 Cm
3) Chad is a running back for his football team. He ran 7 yards during the game on Friday night. How many feet was that?
4) What is the area of a rectangle with a length of 8mm and a width of 6mm? LABEL THE ANSWER.
5) Pete swam 6 feet before taking a breath. How many yards did Pete swim?
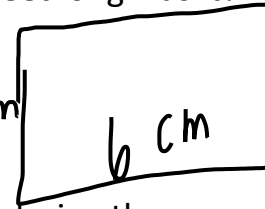
Wednesday, June 16th
1) Tony was so tired that he fell asleep in 4.5 minutes. How many seconds did it take Tony to fall asleep?
2) How many meters are in a kilometer?
3) Stephanie made a cake. The cake had 1 kg of white cake mix, 195 g of sprinkles, 450 g of whipped topping, and 670 g of mini candies. How many grams of ingredients were used?
4) How many degrees are in a straight line?

Thursday, June 17th
1) How many grams are in a kilogram?
2) How many ounces are in a pound?
3) How many degrees are in a circle?
4) The area of a rectangle is 70 SQUARE inches. The length of one of the sides is 10 inches. Find the width. Label your answer!
5) The wedding cake recipe uses 2,500 grams of butter. How many kilograms of butter does the recipe use?

Week 3 (June 21st – 24th): Numbers and Operations

Monday, June 21st

1) 6,000-2,335 = ?
2) 4,862 / 2 = ?
3) 62,816 + 47,928 = ?
4) 86 x 72 = ?
5) 356 / 8 = ?

Tuesday, June 22nd

1) Use the distributive property (expanded form) to multiply 62 x 34.
2) 9,000 – 2,774 = ?
3) 4,956 / 7 =?
4) Write 7,098,009 in word form.
5) Round 416,255 to the nearest hundred thousand.

Wednesday, June 23rd

1) 456 x 87 = ?
2) 3,064 / 8 = ?
3) 9,703 – 3,334 = ?
4) Round 709,091,897 to the nearest hundred.
5) 4,000 – 2,368 = ?

Thursday, June 24th

1) 982 x 67 = ?
2) 2,615 / 9 =?
3) Write 453,098 in expanded form.
4) 87,034 / 7 =?
5) 7,000 – 3,885 = ?

<u>Monday, June 28th</u>
1) A right angle makes a square corner. Draw a right angle.
2) Draw an acute angle.
3) Draw a line segment.
4) Draw a set of parallel lines.
5) Draw perpendicular lines.

<u>Tuesday, June 29th</u>
1) Draw an obtuse angle.
2) Draw a ray.
3) Draw a hexagon.
4) Draw line segment $\overline{PQ}$
5) Draw a line in the box. Label it CD.

<u>Wednesday, July 1st</u>
HAPPY EARLY FOURTH OF JULY!!

Week 5 (July 5th – July 8th): FRACTIONS

Monday, July 5th

1) Find two equivalent fractions for $\frac{2}{12}$

2) <,>,= ? $\frac{7}{8}$ ◯ $\frac{3}{4}$

3) Write $\frac{2}{3} + \frac{2}{3} + \frac{2}{3}$ as a multiplication problem. Then, find the product.

4) Decompose the fraction $\frac{75}{100}$. Rename it in TWO different ways.

5) Write $\frac{25}{11}$ as a mixed number.

Tuesday, July 6th

1) Write $3\frac{2}{3}$ as an improper fraction.

2) Jason's bean plant grew $\frac{6}{10}$ of an inch every day. How tall was Jason's bean plant after 7 days? Between what two whole numbers does your answer lie?

3) $6\frac{7}{9} - 3\frac{8}{9} = ?$

4) Holly collects $\frac{5}{8}$ cup of pumpkin seeds from each pumpkin she carves to roast for a snack. This year she carved 3 pumpkins. How many cups of seeds will Holly have to roast? Draw a fraction model to help you solve the problem.

5) Kathy has $15\frac{7}{12}$ yards of soil she needs to till before the can plant her crops. On Monday she tilled $7\frac{2}{12}$ yards and on Tuesday she tilled $4\frac{11}{12}$ yards. How many yards of soil did Kathy till over the two days? Did she till enough of the soil to begin planting her crops? Explain why or why not.

Wednesday, July 7th

1) Simplify. $\frac{12}{24}$

2) Simplify. $\frac{24}{36}$

3) Use an equivalent fraction to find the sum of $\frac{6}{10} + \frac{9}{100} = ?$ (find a common denominator)

4) William and his sister together use $\frac{3}{5}$ bag of celery in their packed lunches. How many bags of celery will their dad need to buy if they pack their lunch 4 times a week?

5) Find the difference. $\frac{8}{12} - \frac{3}{12} = ?$

Thursday, July 8th

1) $5\frac{4}{9} - 3\frac{2}{9} = ?$

2) Fill in the sign to make this sentence true. $\frac{5}{12}$ ◯ $\frac{8}{12} = ?$

3) $\frac{20}{10} = ?$

4) Fill in the sign to make this sentence true. $\frac{40}{100}$ ◯ $\frac{3}{5} = ?$

5) Write $\frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2}$ as a multiplication problem. Then, find the product.

Monday, July 12th
1) Round 336,205 to the nearest ten thousand.
2) 8,525 / 5 = ?
3) 16,204 – 9,198 = ?
4) Complete the pattern. 8, 15, 22, _____, _____, _____. Describe the pattern.
5) The decimal 0.97 represents _____ tenths and _____ hundredths.

Tuesday, July 13th
1) The Candid Candy Store sold 167 candies on Monday, 116 candies on Tuesday, 143 candies on Wednesday, and 134 candies on Thursday. Did they sell more or less than 600 candies?
2) 88,415 + 79,385 = ?
3) 71 x 32 = ?
4) Write $\frac{9}{10}$ as a decimal.
5) 500 – 117 = ?

Wednesday, July 14th
1) 6,024 / 7 =?
2) 539 x 45 = ?
3) Mrs. Moli put $3.25 in the parking meter outside her office. How many quarters did she put into the meter?
4) Brandi is buying lemonade for her family at the fair. She has 45 tickets and each lemonade costs 7 tickets. How many lemonades can she buy and how many tickets will be left over?
5) Find the all the factors of 56.

Thursday, July 15th
1) What are the first 10 multiples of 6?
2) Decompose the fraction $\frac{11}{12}$.
3) Write $4\frac{4}{6}$ as an improper fraction.
4) Blake dove 3 feet underwater. How many inches did Blake dive?
5) 8,165 / 3 = ?

Work for the Week of June 7th – June 10th

Work for the Week of June 14th – June 17th

Work for the Week of June 21st – June 24th

Work for the Week of June 28th – June 29th

Work for the Week of July 5th – June 8th

Work for the Week of July 12th – June 15th

ANSWER SHEET. Make sure all answers are labeled!

Week 1	Week 2

Monday, June 7th

1. _____

2. _____

3. _____

4. _____

5. _____

Tuesday, June 8th

1. _____

2. _____

3. _____

4. _____

5. _____

Wednesday, June 9th

1. _____

2. _____

3. _____

4. _____

5. _____

Thursday, June 10th

1. _____

2. _____

3. _____

4. _____

5. _____

Monday, June 14th

1. _____

2. _____

3. _____

4. _____

5. _____

Tuesday, June 15th

1. _____

2. _____

3. _____

4. _____

5. _____

Wednesday, June 16th

1. _____

2. _____

3. _____

4. _____

5. _____

Thursday, June 17th

1. _____

2. _____

3. _____

4. _____

5. _____

ANSWER SHEET. Make sure all answers are labeled!

Week 3	Week 4

Monday, June 21nd

1. _____

2. _____

3. _____

4. _____

5. _____

Tuesday, June 22rd

1. _____

2. _____

3. _____

4. _____

5. _____

Wednesday, June 23th

1. _____

2. _____

3. _____

4. _____

5. _____

Thursday, June 24th

1. _____

2. _____

3. _____

4. _____

5. _____

Monday, June 28th

1. _____

2. _____

3. _____

4. _____

5. _____

Tuesday, June 29th

1. _____

2. _____

3. _____

4. _____

5. _____

ANSWER SHEET. Make sure all answers are labeled!

Week 5	Week 6

Monday, July 5th

1. _____

2. _____

3. _____

4. _____

5. _____

Tuesday, July 6th

1. _____

2. _____

3. _____

4. _____

5. _____

Wednesday, July 7th

1. _____

2. _____

3. _____

4. _____

5. _____

Thursday, July 8th

1. _____

2. _____

3. _____

4. _____

5. _____

Monday, July 12th

1. _____

2. _____

3. _____

4. _____

5. _____

Tuesday, July 13th

1. _____

2. _____

3. _____

4. _____

5. _____

Wednesday, July 14th

1. _____

2. _____

3. _____

4. _____

5. _____

Thursday, July 15th

1. _____

2. _____

3. _____

4. _____

5. _____