

Dear Rising 5th Grade Families,

It's time for summer math! We would like to make sure that your child continues to learn this summer by completing one activity from the math activity choice board. Research shows that all students experience learning losses during the summer when they do not engage in educational activities. On average, students lose approximately 2.6 months of grade level equivalency in mathematical computations during the summer months (Harvard Graduate School of Education).

In addition to completing the attached summer math activity, you can encourage your child to use math every day by doing the following:

**Highlight math in every day activities:**

- When shopping, compare prices and estimate the total.
- When cooking, identify and compare measurements.
- When traveling or completing a task, calculate elapsed time.
- When playing or watching sports, compare scores and talk about player stats.

**Find small ways to practice math at home:**

- Put together a puzzle to support spatial reasoning.
- Host a game night. Many games, such as Yahtzee, Rack-o, and Ticket to Ride, support fluency building, number sense, and strategy building.
- Utilize flash cards for ten minutes a day to strengthen fluency.
- Get outside and play! Be intentional- count multiples when dribbling a basketball, practice your math facts while planning a summer picnic, and so much more!

Please turn in your completed summer math choice board activity to Mrs. Eaton on the first day of school to receive extra credit! Thank you for your continued support in your child's math journey!

Wishing you a safe and relaxing summer!

*Mrs. Gaige*

Name: \_\_\_\_\_

Summer Review- Rising 5th grade  
Math Activity Choice Board

**Fluency Fitness**

**Focus:**

Create a workout plan using your knowledge of multiplication AND place value.

**Directions:**

1. Brainstorm which exercises you will want to include in your summer workout plan. Your workout plan **MUST** have **AT LEAST** 10 exercises. \*You may want to use scrap paper.
2. Create a chart in which you will use to record your summer workout plan.
3. Record each exercise, number of reps (repetitions), and number of sets. EXAMPLE: Exercise- Jumping Jacks, Reps- 100 reps, sets- 5 sets of 20 jumping jacks. THINK:  $5 \times 20 = 100$ !
4. Order each number of reps from least to greatest according to place value. What will happen to the number of sets if you multiply your number of reps by 10? Why does this happen?
5. Complete the exercises in your workout plan with a family member and/or friend throughout the summer!

**Cooking with Math**

**Focus:**

Choose a recipe to cook with an adult. Identify and compare the measurements needed.

**Directions:**

1. Choose a recipe. It can be from a cookbook, internet, or simply a family favorite.
2. Your recipe must have **AT LEAST** two fractions in addition to whole numbers.
3. Provide a copy of your recipe **AND** answer the following questions: a. Compare the fractions in your recipe using  $>$ ,  $<$ ,  $=$ . b. Are any of the fractions in your recipe equivalent? If so, which fractions? c. How can you double your recipe? How much of each ingredient will you need? d. How can you triple your recipe? How much of each ingredient will you need? e. Why is math important in cooking?
4. Make the recipe to enjoy! Make sure you have an adult's permission and help.

**Math Review Game**

**Focus:**

Create a new game to review multiplication facts, division facts, place value, AND/OR fractions.

**Directions:**

1. Brainstorm ideas for a game that reinforces practicing your multiplication facts, division facts, (identifying, comparing, ordering) place value AND/OR fractions. \*You may want to use scrap paper.
2. Create your game using any materials needed.
3. Your game **MUST** include directions as well as **ALL** answers.
4. Teach your game to a family member and/or friend.
5. Have fun playing your game throughout the summer! Be creative!