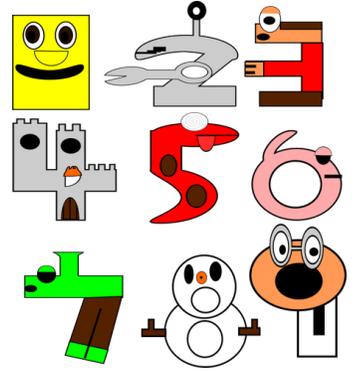
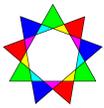


## GRADE 5 Summer Math Challenge!

Mrs. Dufour is challenging you to DO MATH over your summer vacation! Practice can include playing math games online, or can incorporate real-life use of math such as helping to plan parts of a family vacation or estimating costs of back to school supplies and clothes while looking at newspaper sales flyers.



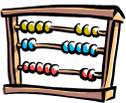
How to get started? It's as easy as



Do the Math! Check out the links below to find some fun websites and activities.



Document what you completed on the chart found at the end of this document. A parent signature or initial is all you need!



Hand in the chart to Mrs. Dufour during the first week of school.

## GAMES to play

- Do a puzzle!
- Build something!
- Use playing cards:
  - <https://www.weareteachers.com/math-card-games/>
  - <https://mathgeekmama.com/best-math-card-games/>
- Dice games:
  - Yahtzee
  - Farkle

### Board games:

Sequence	Stratego	Deal or No Deal
Monopoly	SuDoKu	Chess and checkers
Battleship	Quirkie	Connect 4
Life	Geoshapes	Mancala
Blockus	Clue	Othello

### Other real-life math activities:

#### Take a vacation!

- Use a map to figure out how many miles you'll be driving. How long will it take to get there?
- What's your car's fuel efficiency? Find out how much it costs to fill the tank with enough gas to reach your destination. Multiply to find out how much it will cost for gas. Divide to calculate the miles driven per gallon of gas.
- How fast did you get there? Use the car's trip odometer to find out how many miles you've driven, and determine your average speed.

#### Gardening?

- How big is that garden? How much fencing is needed to keep out animals? How much fertilizer is needed to keep things growing?
- What is the size of the biggest pumpkin? Tomato? Cucumber? Squash?

#### Grocery shopping?

- Estimate the total bill based on prices of what you are purchasing.
- Many items are sold by the pound. How much will 3 pounds of chicken cost?
- What is the unit price of your favorite box of cereal?
- How much do you save if you buy something on sale?

#### Ballgame math!

- Record the events of a baseball game using a scorecard.
- Compare statistics of players or teams! How is your team doing compared to other teams?
- If you go to a game, calculate the total cost of the outing (ticket, parking, food, beverages, gift shop/souvenirs).

#### What's cooking?

- Use a recipe to make cookies! Use a measuring cup to measure the dry and liquid ingredients. Challenge yourself to double the recipe or cut it in half!

#### Party at your house?

- Help make a list of food and drinks for the party. Estimate how much of each item you'll need to have based on the number of people who are coming. Don't forget paper plates, napkins, and silverware!

#### Back-to-school

- Once you have your back-to-school list, check the sales flyers to find the best deals and calculate how much you'll spend on back-to-school supplies.
- Did you grow over the summer? If so, you'll probably need new pants, shirts, and shoes!

There are many ways to use math in real life over the summer. Feel free to make up your own ideas. Just remember to keep track of what you do on the attached sheet.

Have a great summer, and don't forget - MATH is EVERYWHERE! So practice, and turn in your log. You'll be recognized on the Math Wall of Fame outside my classroom!

See you in 5th grade!

*Mrs. DuA*

