



## About Me:

- I am originally from Kensington Kansas, home of the Goldbugs! I graduated from Kensington High School in 1996 and continued my education at the University of Kansas (Go Jayhawks!).



- I taught 7th grade math for one year in Kansas City, Missouri.
- I taught 6th grade technology and 7th grade Algebra for three years in Fayetteville, Arkansas.
- When we moved to Lindsborg, I worked in the Laptop Care Unit for one year.
- This is my second year teaching 7th and 8th grade math at Lindsborg Middle School.
- I have a husband, Ben, and a daughter, Lauren, who is almost three years old. We love to travel, and on our most recent trip I got to hold a manta ray!

## What will you learn this year?

- Mean, median, mode
- Graphing
- Greatest common factor
- Least common multiple
- +, -, x, ÷ decimals
- +, -, x, ÷ fractions
- +, -, x, ÷ integers
- Solving equations and inequalities
- Metric units
- Fractions, decimals, percents
- Rates and ratios
- Proportions and scale
- Areas, perimeters, volumes
- Types of numbers
- Types of properties
- Pythagorean Theorem
- Slopes
- And MORE!!!

## 7th and 8th Math

Mrs. Dolezal



## How to contact me:

Angela Dolezal  
adolezal@smokyvalley.org  
785-227-4249

My webpage:  
[http://hw.smokyvalley.org/dolezal/  
Math\\_Class/Welcome.html](http://hw.smokyvalley.org/dolezal/Math_Class/Welcome.html)

## Why do we have to learn math?

Math will give you the freedom to choose your career path. The more you learn, the more doors will be open to you!

Here are a few ways you might use math, no matter what your career is.

| Using Math                | Topic we Study  |
|---------------------------|---|
| Interest Rates            | Percents  |
| Discount Costs            | Percents, Discounts   |
| Balancing Checkbooks      | Integers  |
| Construction at your home | Perimeter, Surface Area, Equations, Pythagorean Theorem           |
| Cooking                   | Fractions, Proportions  |
| Budgeting                 | Equations, Integers, Decimals, Percentages                        |
| Gambling                  | Probability, Odds   |
| Reading Graphs            | Graphing, Median, Mode, Mean, Best Averages                       |
| Decorating your home      | Surface Area, Volume, Proportions, Equations, Pythagorean Theorem |



## How do real people use math?

### FARMERS

Proportions: There are 43,560 ft<sup>2</sup> in one acre. How many ft<sup>2</sup> are there in 5.5 acres?

Solving Equations: John spent \$800 a head on 9 cows. He also needs to buy feed. How much can he spend on feed if he has a budget of \$9024?

### DOCTORS

Ratios & Proportions: If a patient should receive 25 mcg per kg per minute of their medication, how many mg should they get per hour?

Surface Area: How much surface area of the patient has 2nd degree burns?

### MECHANICS

Metric Conversion: You use a micrometer to measure items to the nearest hundredth of a millimeter. How many inches are in 3 millimeters?

Proportions: The diameter of Pulley A is 10 in and the diameter of Pulley B is 20 in. How many revolutions per minute (RPM) does Pulley B turn if Pulley A turns at 90 RPM?

### BUSINESS OWNERS:

Discounts: If you buy an item for \$23 and you plan on selling it for \$40, what percent can you discount it and still make a profit?

Markups: If you buy an item for \$13 and you sell it for \$28, how much was the markup?

## OTHER INFORMATION:

### A Few Guidelines:

- I will record grades for assignments and tests that include the correct heading.
- I will record grades for assignments and tests that are neat and legible.
- I will record grades for assignments and tests that are completed in pencil.

### Test Corrections:

- After each chapter test, students will have a chance to correct their mistakes for half-credit. For example, if Jenny earned a 70% on the Chapter 2 test, it is possible for Jenny to earn an 85% after she completes the corrections.

### Late Work Policy:

- It is the student's responsibility to obtain missed assignments from Mrs. Dolezal or from the Homework webpage. If a student is absent on a date that a large assignment is due, the assignment becomes due upon the student's return to school. Work that is turned in late will receive a 30% dock in the final grade. Late work will be accepted until the end of the following Homework Club session. If the assignment is not turned in at the beginning of class on the day following Homework Club, the student will receive 0% credit on the assignment.

### Agendas:

- Each student will receive an agenda sheet at the beginning of each week. They will be required to complete the agenda on a daily basis. The agendas should come home every day, so please check them for upcoming tests and other comments from teachers.