Real Math Comics Volume 1

Comic Breakdown

<u>Are We There Yet</u>

- Graphically represent the distance remaining from a car trip driving a constant rate.
- Construct a T-Table.
- Identify the rate of change
- Identify the Initial Value
- Determine the reasonable solutions to question based on the graph or algebraically.
- Calculate the solutions to questions that pertain to parameter changes.
- Represent as a Linear equation.

Cool Off For Summer

- Derive the appropriate volume formula from V=Bh.
- Label the dimension of the pool.
- Calculate the volume of a pool.
- Calculate the price to fill the pool with water.
- Determine reasonable solutions to questions.
- Calculate the percentage of monthly income going towards the water bill.
- Calculate the annual percentage of income going towards the water bill.

Corn in the Sky

• Calculate the height of an enormous stalk of corn using proportions.

Final Average

• Calculate the grade he must make on his final to pass the class.

G-Taco Survey

- Calculate the percentage of favorite tacos from a survey in the comic.
- Construct a pie chart of the data gathered.
- Determine reasonable solutions to questions based on the data.

<u>Code Red</u>

• Calculate the amount of medicine the nurse must administer to a patient using proportions.

Let's Go Fishing

- Calculate the sale price of several kayaks on sale with and without tax.
- Determine the reasonable solutions to questions based on calculations.

Look At My Potato Launcher

- Graphically represent the height of a projectile.
- Construct a T-Table.
- Determine the reasonable solution to questions based on the graph.
- Identify & graphically represent the parent function.
- Calculate the zeros of the function.
- Etc...

<u>Moving Day</u>

- Label the dimension of rectangular prisms.
- Calculate the volume of rectangular prisms.
- Calculate solution to question pertaining to scenario.
- Calculate the cost to hire a mover given their rate, etc.
- Represent the mover's cost as a linear function.
- Calculate the difference in cost if he paid a friend to help.

Operation Rescue Private J

- Identify coordinates.
- Calculate the midpoint.
- Calculate the distance between the two points.
- Calculate the slope between the two points.
- Represent the graph as a linear function.

Party at My Place

- Represent graphically & through a t-table, the cost of hiring two DJ's for a party.
- Represent the cost per hour of both DJ's as a linear function.
- Identify the rate of change and initial value of both linear functions.
- Identify or calculate the solution to a system of equations.
- Identify the cost effective domains of both DJ's.

Rainy Day

- Express the income of two jobs as a linear function.
- Identify the rate of change and initial value of both jobs.
- Evaluate a 20% savings.
- Calculate how long it would take to build a savings of x amount of dollars.

<u>Zombie Outbreak</u>

- Represent graphically the number of days left to survive the zombie apocalypse given a rate of food consumption per day.
- Create a t-table.
- Represent scenario as a linear function.
- Identify the rate of change and initial value.
- Determine what type of slope is graphed. (positive, negative, zero, or undefined)
- Calculate the number of days left if food consumption rate is changed.

<u>There's a Sale</u>

- Calculate the sale price of an electronic tablet.
- Calculate the sale price of an electronic tablet with an extra discount.
- Calculate the down payment need to put the tablet on layaway.
- Calculate the monthly payments to pay off in x months.
- Represent the layaway plan as a linear function.

<u>Jupiter Drive By</u>

- Calculate the volume of Earth and Jupiter.
- Calculate the radius and diameter of Jupiter.
- Calculate the circumference of Jupiter.
- Calculate the time it would take to orbit Jupiter given their speed.