Math Is Fun!!

*Carl Friedrich Gauss: "Mathematics is the queen of science, and arithmetic the queen of mathematics."*
Step 1: choose any number.

Step 2: Add the next highest number to it

Step 3: Add 9

Step 4: Divide by 2

Step 5: Subtract your original number
Math Pathway

Accelerated Math 24/25

Math 24 → Math 25

Math 100

Math 103 → Math 135 → Math 140 → Math 205 → Math 206 → Math 231

OR

Math 9

Math 37 → Math 100Q

Math 50 → Math 197
Math 37/Math 100Q

❖ It was developed and called MyQuantway by the Carnegie Foundation for the Advancement of Teaching, which is an independent policy and research center.

❖ It’s a non-STEM (science, technology, engineering, mathematics) pathway.

❖ Students who place into elementary algebra will go through a college-level quantitative reasoning course in one year.
- MyQuantway provides an alternate and accelerated pathway that will motivate and engage students with an innovative quantitative reasoning focus in which students use mathematics and numerical reasoning to make sense of the world around them.

- Students will use numerical reasoning for decision making, argumentation and sense making about real-world questions, problems and contexts of personal, social and global importance.

- In addition to lessons and student supports, the pathway includes MyQuantway, online out-of-class activities and homework. These take the place of a textbook, which is not required.
MyQuantway is currently being offered in 22 community colleges in ten states. Community Colleges include La Guardia Community College and Sinclair Community College. Math 100Q: MyQuantway II articulates to 4 year schools in the California system and to the University of Washington.
MyQuantway Example

Below, are three scenarios for you to practice and enhance your equation-solving skills. With each answer, check that the answer is reasonable given the context of the problem and that you have included the correct units with your solution.

(1) Paula has two options for going to school. She can carpool with a friend or take the bus. Her friend estimates that driving will cost 22 cents per mile for gas and 8.2 cents per mile for maintenance of the car. Additionally, there is a $25 parking fee per week at the college. If Paula carpool, she would pay half of these costs. The cost of the carpool can be modeled by the following equation where $C$ is cost of carpooling per week and $m$ is the total miles driven to school each week:

(a) Explain what each term in the equation represents.

$$C = \frac{1}{2} (0.082m + 0.22m + 25)$$
(b) Find the total weekly carpooling cost if the commute to school is 7 miles each way and Paula goes to school three times a week.

(c) A weekly bus pass costs $22.00 dollars. How many total miles must Paula commute to school each week for the carpool cost to be equal to the bus pass? How many trips to school each week must Paula make for the bus pass to be less expensive than carpooling?
Math 197

- Intended for students in Technical Occupational programs.

- Covers basic algebra, geometry, and trigonometry as applied to shop problems.

- Topics include an introduction to quantitative and logical reasoning, probability, descriptive statistics, geometry, trigonometry, and vectors.

- Problem solving will be stressed with an emphasis on technical applications.
ALEKS Program
A web-based, artificially intelligent assessment and learning system

Study Skills
Time Management, Note taking skills, Learning Styles Inventory, Test Anxiety

Math 9 Program

Book Work

One on one tutoring/help

Mini Lecture/Discussion

Math 24

Math 8
The base of a triangle is two meters less than three times one of the other two equal sides. Its perimeter is 38 meters. What is the length of the longer side?

Let $n =$ equal sides

$n + n + 3n - 2 = 38$
\[ n + n + 3n - 2 = 38 \]

\[ 5n - 2 = 38 \]

\[ +2 \quad +2 \]

\[ 5n = 40 \]

\[ \frac{5n}{5} = \frac{40}{5} \]

\[ n = 8 \text{ meters} \]
n = 8 meters

\[ 3n - 2 = 22 \text{ meters} \]
Math 24 and higher

Book Work/Homework

My Math Lab
An online interactive and educational system designed by Pearson

Distance Ed Classes

Lecture/Discussion
The Math Lab

- The Math lab is a student centered walk-in tutoring service
- It provides guidance in mastering mathematical procedures and problem solving
- It fosters peer interaction and develops camaraderie among students
FUTURE GOALS (Wish List!)

- A bigger tutoring space
- More tutors
- Loan textbooks and calculators for same-day use
- Provide computers and other learning tools