

Is College Math Foundations (MTH 098) right for me?

Do you feel confident working with percentages, proportions, and ratios?

Do you have some previous math experience working with probability and statistics?

Do you feel comfortable with these example problems?

*If you answered YES to the above questions, you should consider **MTH-105**.*

**Check with academic advising to verify MTH-098 or MTH-105 meets the math requirements for your program.*

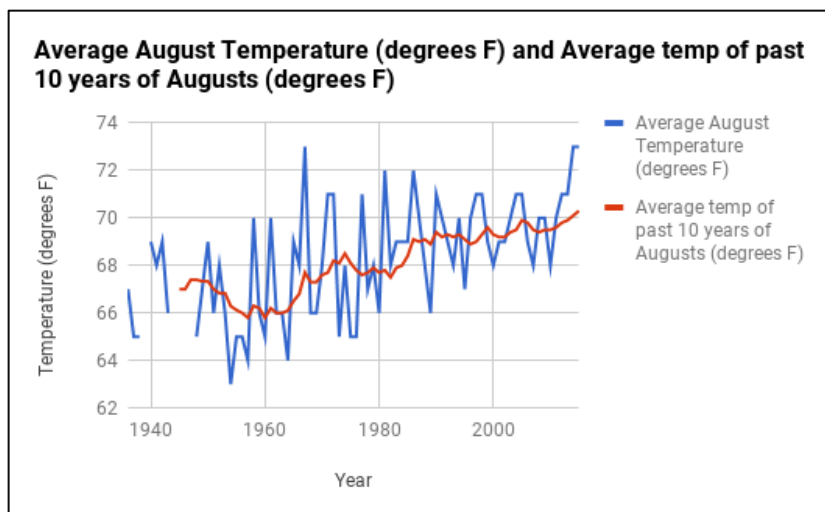
You should consider College Math Foundations (MTH-098) if you...

- *experience anxiety when doing math*
- *find percentages, proportions, or ratios confusing*
- *generally struggle with math*
- *would benefit from learning math in a small group environment*

1. Understanding and interpreting information in graphs...

Consider the following questions:

- What is being shown in this graph?
- What could we use this graph for?
- What's the difference between the red and blue lines?
- What does average mean?



Graph created by Kelly Mercer using Data Source: "Weather History for KPDX - August, 2016." Weather Underground, www.wunderground.com/history/airport/KPDX/. Web. 19 April 2017.

STATS PATH

MTH 020
Fundamentals of
Arithmetic II

MTH 098
College Math
Foundations

MTH 105
Intro to
Contemporary Math

MTH 243
Statistics I

Jobs in this path include:

Psychology, Communication, Marketing, English, Arts and more.



Clackamas
Community College

PASS

Placement Advising
for Student Success

2. Understanding percents, proportions, and ratios...

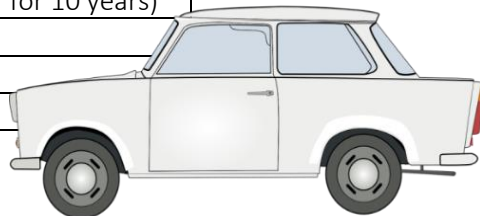
- What is 75% of 120?
- 28 is 40% of what number?
- Simplify the ratio 36 : 27
- A copy machine can duplicate 2400 copies in one hour. How many copies can it make per minute?

3. Understanding and interpreting information with charts...

Consider the following questions:

- What is being shown in this table?
- What could we use this table for?
- What would you do to estimate this person's car budget?

	Amount	Frequency
Car	\$12,000	Once (and I'll own the car for 10 years)
AAA membership	\$109	Once per year
Insurance	\$288	Once every six months
Registration	\$86	Once every 2 years



Gas and Maintenance

Fuel Economy	22 miles per gallon
Miles driven per week	242 miles
Cost of gas	\$2.40 per gallon

Figure 1 "Trabant" by molnar is in the Public Domain, CC0

Benefits of MTH-098:

- Provides a supportive atmosphere where students work together in small groups to understand math concepts
- Understand important topics and trends that involve numbers in our society by learning to:
 - o use percentages to make comparisons
 - o interpret and construct graphs to describe phenomena
 - o compare ways of describing quantities through unit conversions and exploring ways we use the idea of "average"
 - o use rates and ratios to describe how things grow and change
- Instructors help students to solve realistic problems and improve critical-thinking abilities, number sense, and estimation skills