



A TECHNICAL SERVICE PROGRAM OF:



## New Micro-Learnings Promote Efficient and Focused Training

We've listened to your feedback and have created a series of micro-learnings that deliver content to users in 15- to 30-minute modules!

The "Math Basics Series for Highway Technicians" has been designed to provide highway technicians with all of the basic math concepts they'll need on the job. The series provides participants with a basic math review and then presents math instruction in context. ALL of these modules are available at no cost through the end of December!

## Math Basics Series for Highway Technicians: Introductory Math Concepts

There are 11 modules in this series. It's recommended that participants start from the beginning and take all the modules in order; however, they are also welcome to take just one (or several) modules that are applicable to their training needs. The topics covered in this series are as follows:

- Area: This course reviews area, or the amount of space something takes up on a surface. It also covers the various equations needed to measure the area of a particular object.
- Arithmetic: This course reviews arithmetic, which is addition, subtraction, multiplication, and division.
- Decimals: This course reviews decimals. Everyday numbers are not always whole, especially in construction, so it's important to understand how to use decimals when resolving mathematical equations.
- Fractions: This course reviews fractions, which are numbers that represent part of the whole.
- Mean: This course reviews the mean, or average, of numbers that may be used in a mathematical equation.
- Order of Operations: This course reviews the order of operations when solving a mathematical expression.
- Percentages: This course reviews percentages, which are regularly used in construction. A percentage represents the part you have or want compared to the total amount.
- Ratios: This course reviews ratios, which represent the relationship between

two values.

- **Slope:** This course reviews slope. The ground on which we construct our projects is not always perfectly flat; therefore, we often need to figure out the steepness or grade of an area of land.
- **Unit Conversions:** This course reviews unit conversions. Converting the units of various numbers is a common occurrence in technical work.
- **Volume:** This course reviews volume, which is the quantity of an enclosed three-dimensional space.

VIEW SERIES!

## Did You Know?

Micro-learning has become increasingly popular over the past few years, primarily because the majority of learners are millennials. Millennials have grown up with technology and are used to obtaining information quickly. By 2025, millennials will make up 75% of the workforce.

All TC3 courses allow you to learn at your own pace. You don't have to finish a training in one sitting. You can exit a course and return to continue it as many times as you wish. The learning management system will keep track of your training progress and will open where you left off each time you log back in.

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TC3 is an AASHTO technical service program focused on the web-based training of front-line workers in the areas of construction, maintenance, and materials.



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