

Firefighter Math - A Web-Based Learning Tool

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Abstract

Firefighter Math is a web based interactive resource that was developed to help prepare wildland fire personnel for math based training courses. The website can also be used as a refresher for fire calculations including slope, flame length, relative humidity, flow rates, unit conversion, etc. The website is designed to start with basic math refresher skills and advance to topics that directly apply to advanced wildland fire calculations. Firefighter math was established as a tutorial, and users are encouraged to focus on chapters that are most relevant. The site is interactive which allows users to practice online with examples that are checked for accuracy to enhance learning. If an example question is answered incorrectly, feedback is provided in the form of step by step problem solving to ensure that the correct answer is achieved. Users are encouraged to visit the website prior to taking specific training courses and continue to revisit specific pages as individually needed. Our goal is to make math fun again and to show how it applies to wildland fire on a daily basis.