

Math MA 6.7 Solve Problems Using Conversions of Units of Weight, Length, Capacity and Time

These videos show a lesson introducing Dimensional Analysis, or Unit Conversion. Dimensional Analysis is a method or process used to convert units of measure to other units. It can be as simple as determining how many inches are in 20 feet, or more complex, such as determining the cost to pour a new driveway at your home when multiple measurements need to be changed. Many also use this process in the math of chemistry, physics and many of the health professions. This process works well in any problem where others use multiple proportions and it can take the guesswork out of determining conversions.

The intent of the three videos is as a student tutorial.

The videos are also linked to TeacherTube. If you need to login at TeacherTube, and you do not want to create your own profile, you may use:

User Name: mtstudent

Password: student

This video can be viewed at TeacherTube: 8.1.1 Introduction to Dimensional Analysis
http://www.teachertube.com/members/viewVideo.php?video_id=148838&title=8_1_1_Introduction_to_Dimensional_Analysis

This video can be viewed at TeacherTube: 8.1.2 Setting Up the Unit Conversion Problem
http://www.teachertube.com/members/viewVideo.php?video_id=148831&title=8_1_2_Setting_Up_the_Unit_Conversion_Problem

This video can be viewed at TeacherTube: 8.1.3 Multiple Units for Conversion
http://www.teachertube.com/members/viewVideo.php?video_id=148829&title=8_1_3_Multiple_Units_for_Conversion

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