

# GEN104 AV Math Online



AV Math Online is designed to help students develop mathematical proficiency in AV calculations. This course blends online lessons with short videos and provides a downloadable workbook with real-world AV math practice problems. It also includes section tests that can be sent to a supervisor tracking your progress. Take advantage of online lessons that provide consistent and reliable training, available 24 hours a day, 7 days a week.

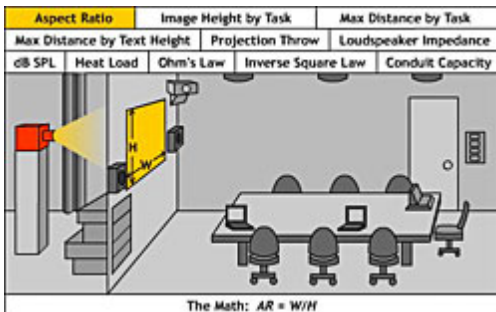
View the [two-minute video](#), "How to Determine Image Height by Task," (please allow time for the video to load)

[Register](#)

## Audience

This course is perfect for:

- Audiovisual professionals who have entered the AV industry within the last two years
- Audiovisual professionals who need a refresher course
- Individuals preparing for the general CTS exam
- CTS holders who need continuing education Renewal Units (RUs)



## Course Content Examples (See complete PDF)

- using a scientific calculator
- using proper order of operations
- aspect ratio
- image height and viewing
- estimating projection throw distance
- loudspeaker impedance (parallel)
- decibels (10 log, 20 log)
- scale drawing conversions
- ohm's law
- heat load calculations
- inverse square law

## Suggested Study

Consider taking [GEN102 Essentials of the AV Industry for Technical and Sales Professionals Online](#) and [GEN103 Audio-Video and Control System Networking Online](#).

## CTS Renewal Units

CTS: 15 CTS-D: 15 CTS-I: 15 Max: 15

