Converting From Architectural Units (Fraction form) to Engineering Units (Decimal form)

Please read thru my class notes and be sure to take notes in your architectural notebook

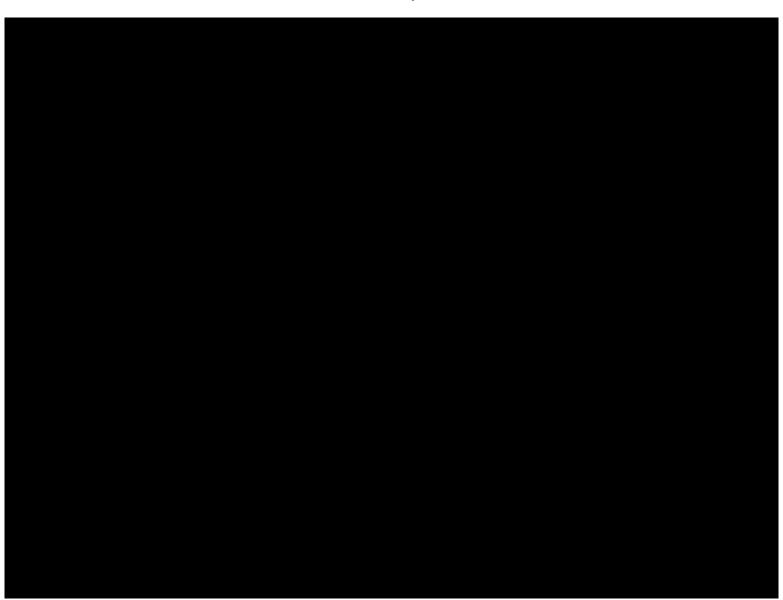


So why is it important to know how to measure properly???



Is this an Engineering or Architectural problem????

Watch this video and you decide!



Engineer & Architect Story Poles

10 parts per foot

Engineer (decimal-10 parts)





12 parts (inches) per foot

Architect (fractions-12 parts)



My architectural measure with my tape measure is Trick to remember....this means to divide!!!

3 ' 4 3/16 "

$$3/16 = .1875$$

Step #2

Step #3

Answer is.... 3.3489'



HERE IS HOW YOU CAN ALWAYS CHECK YOUR ANSWER

Lets make our Decimal measurement an Architectural measurement

Subtract the whole number and work with .3489

4.1868

4 is your inches!!!

Trick to remember....the dot means you multiple

$$(2 \cdot 3 = 6)$$

Step #2

 $.3489 \times 12 =$

Subtract the whole number and work with .1868

This number is your fraction of an inch...so round it

▼ TechSmith Camtasia ANSWER IS....

3' 4 3/16"

Complete these conversions in your Architectural Notebook....when you are finished see me

Architectural Measurements to Decimal

Engineering Measurement to Architectural



Please have me check off when you are done