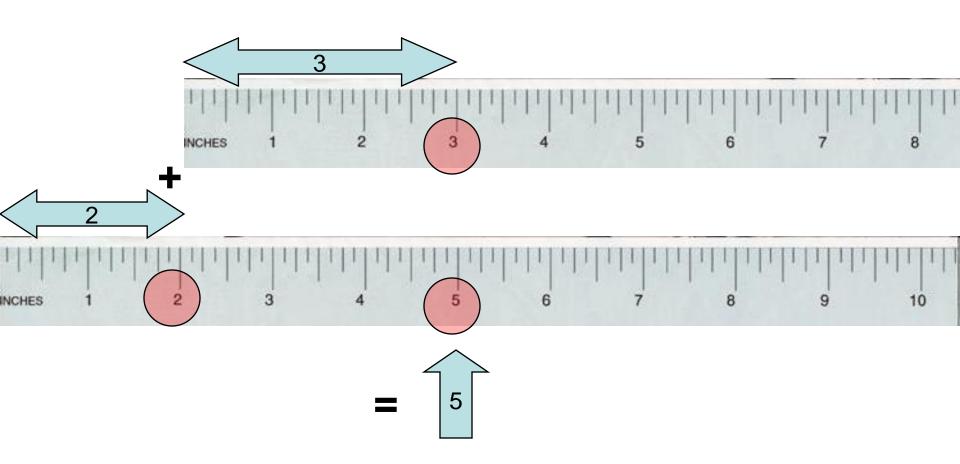
## Math Manipulative for High Schoolers?

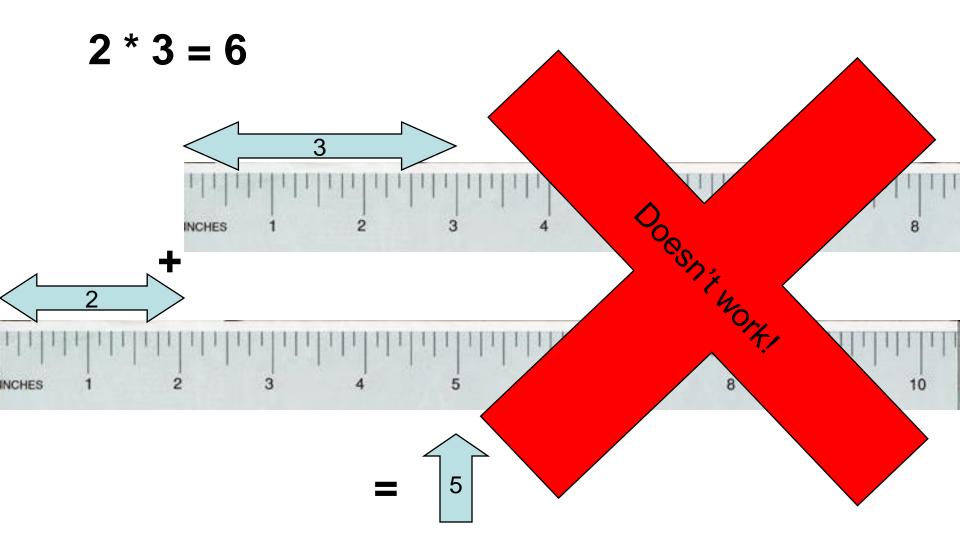
- Teaching new concepts using a new notation (logarithms)
- Managing complexity by reducing concepts to a familiar form

# Addition (no sweat)





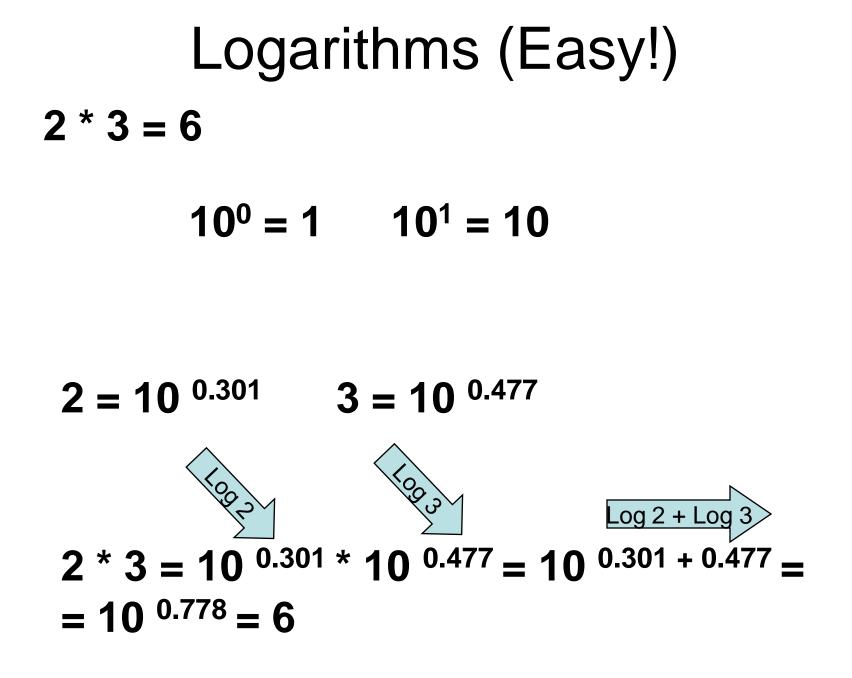
# Multiplication (ok)



# Logarithms (oh no!)

#### New type of rulers

**New notation** 



#### Adding (no sweat!) Multiplying by adding 2 \* 3 = 6Log 3 (0.477) 0.0 0.20.3 0.4 0.5 0.6 0.78 g 6 0.3 0.5 0.6 0.0 0.20.4 0.70.80.9.og 2 (0.30 6

http://www.ies.co.jp/math/java/misc/slide\_rule/slide\_rule.html