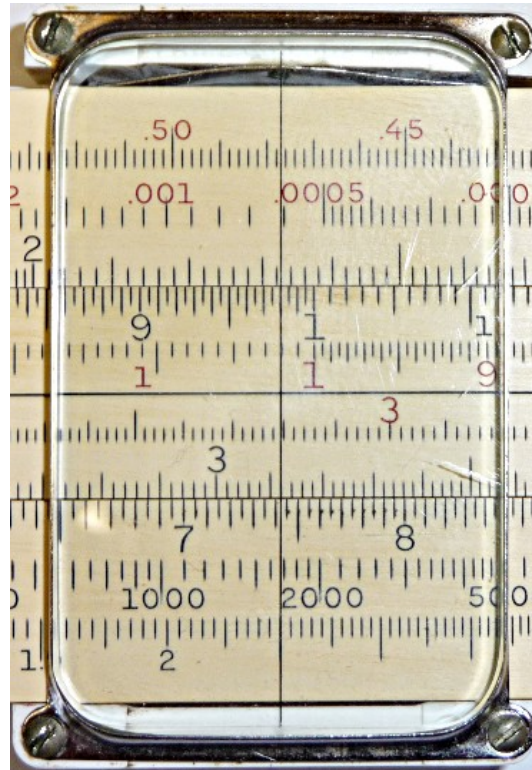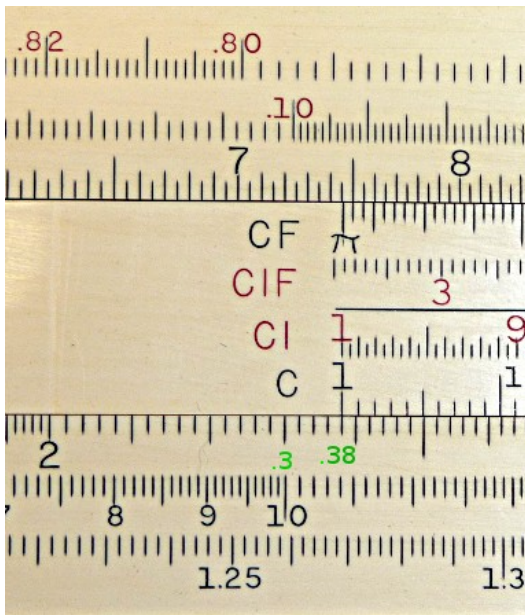# Slide Rule Multiply Math Problems
And instructions on how to perform

See marked pages in manuals for more details. Move slide to set index of C scale (1) to multiplier (first number) on D scale. Set hairline on indicator to multiplicand (second number) on C scale. Read result on D scale. I think it's easiest to convert numbers to #.## and treat written numbers as the first digit, the secondary marks as the second and tertiary as third. Note that the number of tertiary marks between secondary vary. See manual for how to perform other math operations.

Example to get you started: 2.38 * 3.12 = 7.4256
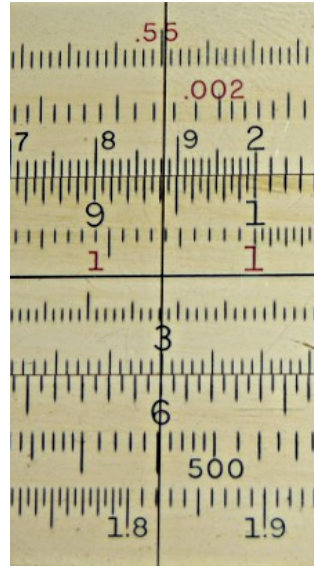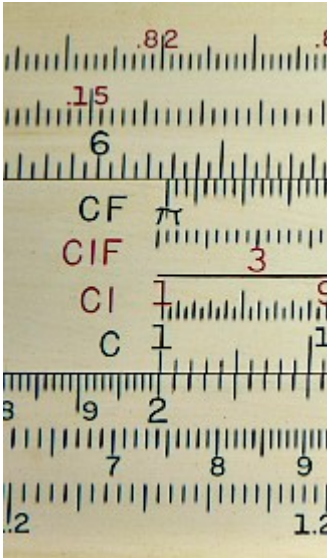
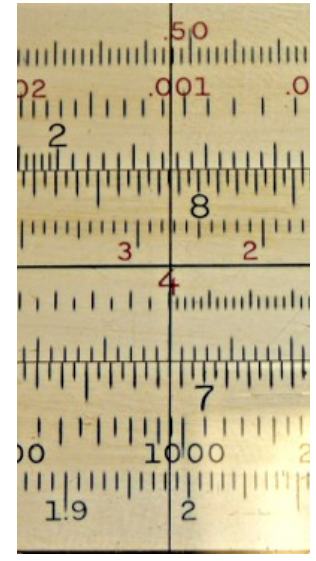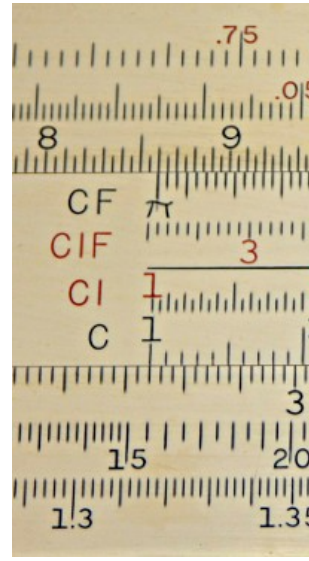Problems to try. Solution on reverse.

2*3 = _____

2.74 *2.5 = _____

142*42 = _____

31416 * .02718 = _____

One secondary and one tertiary which are every 2 give 3.12. Four secondary and half a tertiary which are every 5 gives 7.425, round to 3 digits gives 7.43.
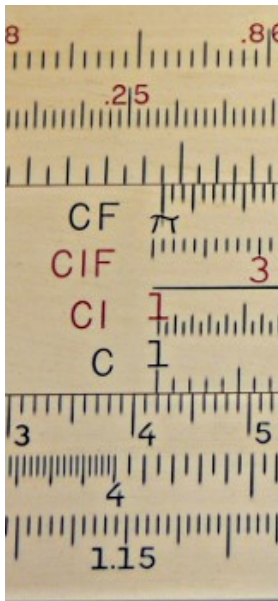
2 * 3 = 6

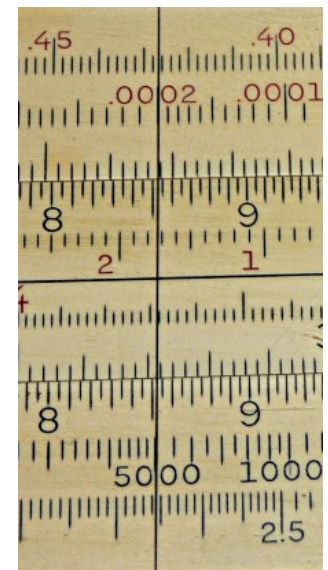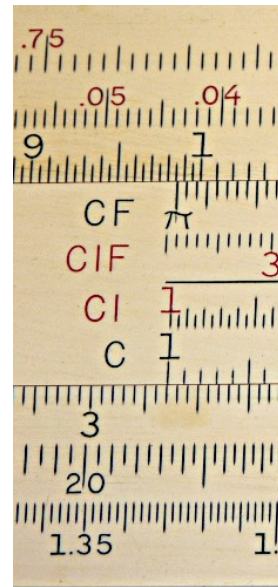Set C scale index to 2 on D and set hairline to 3 on C and read result on D.

2.74 * 2.5 = 6.85

Set C scale index to 2.74 (secondary marks are every 1, tertiary marks are every 2) on D. Set hairline to 2.5 on C and read result on D (secondary marks every 1, tertiary mark every 5 for 6.85).

142 * 42 = 5964

Set C scale to 1.42 and hairline to 4.2 and multiply result by 1000 to get proper result. It's slightly past small division of 5 so result is about 5960.

31416 * .02718 = 853.88688

Shift decimal 4 places left for first number and 2 right for second. Result must be shifted 2 right. All numbers must be approximated. Hairline reads about midway between 0 and .5 so about .25 for last digit round to 3 giving 8.53 (853).