



HOW TO USE A SLIDE RULE

There are many scales on a real slide rule used for different mathematical functions. But to do multiplication and division, we need only the C and D scales.

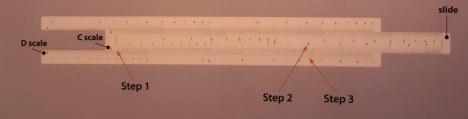
Example: $1.6 \times 4 = 6.4$

Step 1

Move the **slide** so that the left-hand **1** on the **C scale** is over the small **6** that falls between the larger **1** and **2** on the **D scale**. This location represents **1.6** in our calculation.

Step 2

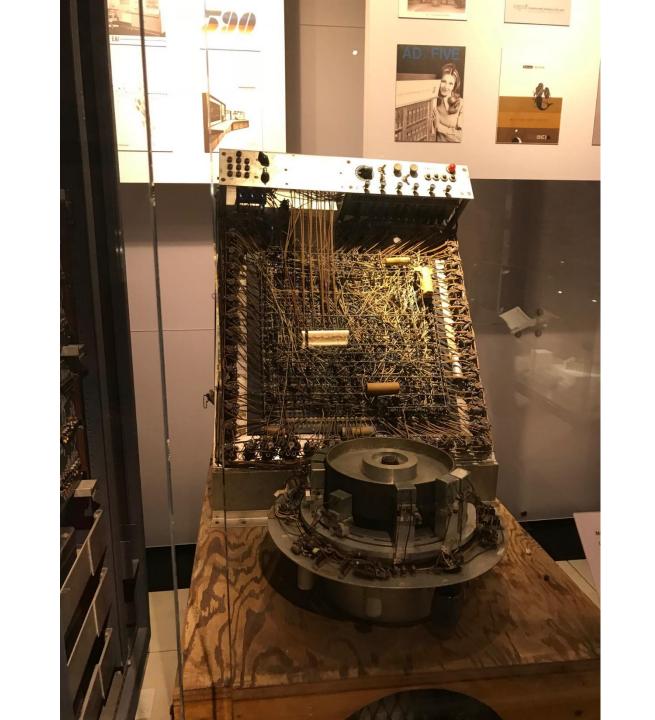
Find the large 4 on the C scale.



Step 3

Read the number on the D scale that is exactly below the 4 on the C scale. It is 6.4 and that is the answer.









The ADDAVERTER System, 1956

Former UNIVAC engineer Bernie Gordon founded Epsco in 1953. A year later, Epsco introduced the Datrac, one of the earliest commercial analog/digital converters. Its equipment was also used to build hybrid analog-digital systems in the mid-1950s.

CONVERTING TO DIGITAL

We live in an analog world. So, for digital computers to control operations they must convert analog input (continuous values, like electrical current from a temperature sensor) into digital data, process it, then convert it back to analog.



