



Lalanne's *Abaque* allows very quick operation at the expense of a small loss of precision.

To perform 3.5×4.5 just search for the two factors on the lateral scales, look for their intersection on the diagonal and read the result. In this case the intersection is close to 16 and we can evaluate the result in ca. 15.7-8. The exact result is 15.75, within the accuracy range of 2% which was considered acceptable.

To perform $35/8$ go on the diagonal value of 35 and seek for the intersection with the horizontal line of value 8: this point is close to the vertical line 4.5, and we can read a value between 4.3 & 4.4. The exact result is 4.375, again an error of less than 2%.

This is a simplified graphic, the original *Abaque* also allows the user to raise numbers to powers and to extract roots.

