

Visual Acuity Notation



NOTE: These two calculators in *eye tools* are used to calculate the equivalent Visual Acuity when expressed in different notations.

The calculator for *Distance Visual Acuity* converts between *Snellen 20 feet*, *Snellen 6 metres* and *European decimal*.

The calculator for *Near Visual Acuity* converts between *Snellen 40 cms*, *Jaeger* and *Near Point Sizes*.

1. Click on **C** to clear all data.
2. Enter either one of the 3 options for *Visual Acuity*.
3. Click on **=** to make the calculation.
4. The result is displayed as all 3 equivalent notations:
 - Distance - *Snellen 20 feet* (eg 20/40)
 - *Snellen 6 metres* (eg 6/12) and
 - *European decimal* (eg 0.5).
 - Near - *Snellen 40 cms* (eg 40/60)
 - *Jaeger* (eg J2) and
 - *Near Point Sizes* (eg 5pt).
5. To print a copy of the results: Click on **P**
6. To copy the result to the clipboard (so that it can be pasted into a different program): Click on **M+** (The clipboard can be cleared with **MC**).

✓ **Tip:**

- Optometrists use these conversions when reading reports or assessing results with equipment that measures results with an unfamiliar notation.



EXAMPLE: A *Distance Visual Acuity* of 20/45 will be reported as 0.44 on some European equipment.

Document: 00118 Last edited: 20/5/05

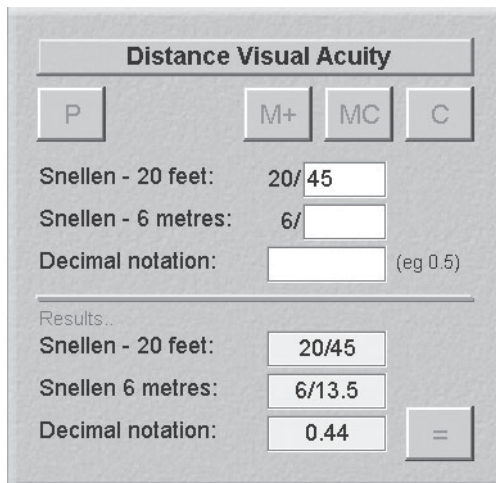


Figure: The calculator for converting the notation of Distance Visual Acuity

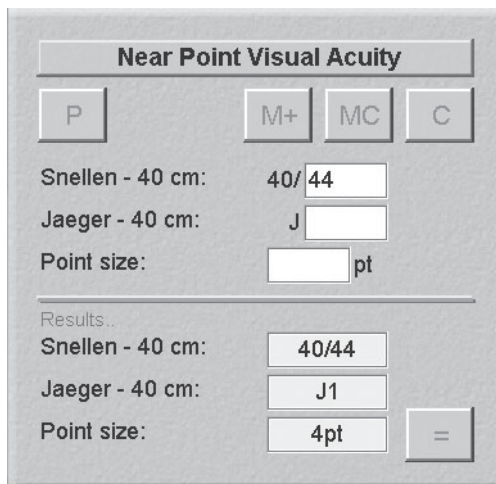


Figure: The calculator for converting the notation of Near Visual Acuity