


## Diopetre & Radius Conversions


 NOTE: These two calculators in *eye tools* are used to convert the curvature of the cornea, or a contact lens, from the radius of the curvature in mm's to the power in dioptries. Or, from the power to the radius of curvature.

Contact Lens Practitioners use these conversions regularly with keratometer (K) readings and contact lens specifications.

1. Click on  to clear all data.
2. Enter the *Radius of Curvature* (or the *Power*).
3. Click on  to make the calculation.
4. The result is displayed as the corresponding *Power* (or the *Radius of Curvature*).
5. To print a copy of the results: Click on .
6. To copy the result to the clipboard (so that it can be pasted into a different program): Click on  (The clipboard can be cleared with ).

✓ **Tip:**

- These calculations are used when a particular instrument or laboratory specifies a curvature in one way, while the optometrist prefers to work in the other.

 EXAMPLE: A keratometer reading of 45.00D is curvature radius of 7.5mm.

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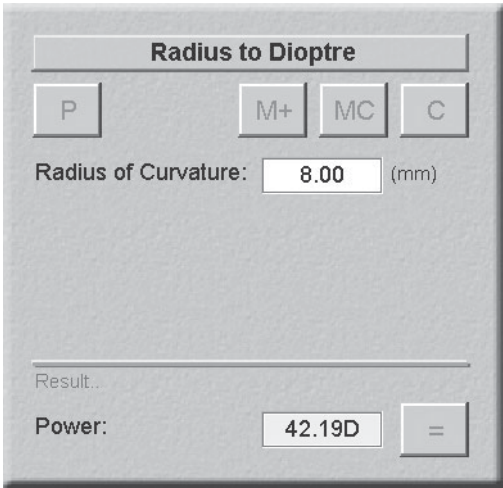


Figure: The calculator for Radius to Dioptre

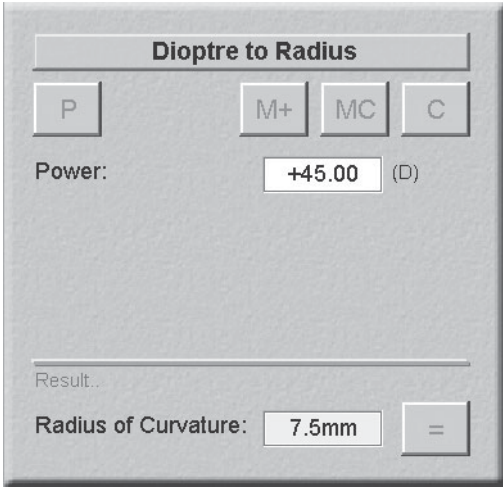


Figure: The calculator for Dioptre to Radius