

# Fina Point Scoring

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## Overview

The FINA Point Scoring allows comparisons of results among different events. The FINA Point Scoring assigns point values to swimming performances, more points for world class performances typically 1000 or more and fewer points for slower performances.

Point values are assigned every year. The charts have one set of points for Short Course and another for Long Course. The scoring is named by the year after which the base times were defined, e.g. "**FINA Point Scoring 2008**".

## Formula

The points are calculated using a cubic curve. With the swim time (**T**) and the base time (**B**) in seconds the points (**P**) are calculated with the following formula:

$$P = 1000 * ( B / T )^3$$

The exact formula is used to calculate points from times. Then all point values are rounded to the next integer number using normal rounding (932.499... -> 932, 932.50... -> 933).

If the needed time (**T**) for a certain number of points (**P**) should be calculated, the exact formula is used to calculate a first estimation. Then the time should be reduced by one hundredth of a second as long as the reverse calculation with the time still results in the original number of points.

## Base times for 1000 points

The base times are defined for all common individual events and relays, separated for men / women and long course / short course.

The base times are recalculated every year, based on the average of the top ten of the All Time World Rankings. For short course (SCM) the base times are defined with the cut of date of June 30th. For long course (LCM) the base times are defined at the end of the year (December 31st).

For "**FINA Point Scoring 2008**" this means for example: Short course times until "**30 Jun 2008**", long course times until "**31 Dec 2008**".

The base times are published on the FINA website within one month after the end of the relevant period.

## Tools and documentation

The following tools for the FINA Point Scoring are available on the FINA website:

- \* A standalone application, which allows to calculate points for single times and to printout tables with points and needed times for standard events.
- \* The point scoring tables as PDF documents for the point range of 800 to 1100 points.
- \* The table with all base times for the different events are available as Excel sheet.