

**Series race points are calculated as follows:** [WARNING: serious maths ahead ☺]

$$p = 2^{\left(\frac{w-t}{w}\right)} \times 100$$

where:  $p$  = points  
 $w$  = winner's time  
 $t$  = your time

For example, if the winner's time was 20 minutes, and your time is 30 minutes:

$$w - t = -10$$

$$\frac{w-t}{w} = \frac{-10}{20} = -0.5$$

$$2^{-0.5} \cong 0.7071$$

$$0.7071 \times 100 = 70.71 \text{ points}$$

The way it works out, the overall winner of each gender always gets 100 points.  
If your time is exactly twice the winning time, you get 50 points.  
Three times the winner's time gives you 25 points, etc – halving with each step.

For those familiar with accountancy, the calculation is very similar to that for depreciation, where the value of an asset halves after each interval of a given period of time.

This gives a smooth curve like the one shown below, which shows the points scale for a winning time of 20 minutes. Note that twice the winner's time (40 minutes) gets 50 points; three times (60 minutes) gets 25 points; and so on.

