

Santa Rosa Masters Resolution Meet

50 Free Challenge Guide

1/20/2017

This document explains how to prepare for and generate the 50 free challenge results. Here is the summary of the race from the meet sheet:

“All entrants in the 50 Free are automatically entered at no charge into the Resolution 50 Free Challenge. This “event” will attempt to determine a single winner from all age groups and both sexes. Each participant's times will be adjusted by a multiplier to determine their Resolution Challenge time. The multiplier is the FINA Men’s 50 M Long Course WR divided by FINA Age Group 50 M Long Course WR times participant’s 50 Yard time. Example for a female swimmer in the 60-64 year old age group - FINA WR (20.91) divided by Female 60-64 Record (29.31) times meet time (30.00) = Resolution Challenge Time of 21.40.”

Equipment Required:

In addition to the timing and results computing equipment:

- 50 free results computer with Excel, PDF reader, and printer installed and tested
- Printer with power supply, USB B to A cable, paper and toner
- USB flash drive, or preferably LAN cable

Before the meet:

This may be given to you by the meet director, but if not:

1. Obtain world records
 - Go to <http://www.fina.org/content/swimming-records> and select Long Course records.
 - Note the mens 50 free record. As of Aug 31 2016 it was 20.91 seconds. (Cesar Cielo of Brazil in Sao Paulo, Brazil, December 18, 2009)
2. Obtain masters records
 - Go to <http://www.fina.org/content/masters-records> and select Current LCM Records.
 - Right-click on the PDF, select Save As, and save to the meet folder.
 - Open the file and copy the records for the events in the meet to a spreadsheet. Note: this is error prone, so take your time and double-check your work afterwards. As of 2017 there are 16

age groups (ages 25-104 step 5) x 2 genders = 32 numbers that you need. Assign the 25-29 numbers for the 18-24 age group too.

3. Calculate ratios

- Divide the world record by the masters record for each of the 32 gender-specific age groups. This is the ratio you will apply to their results to obtain the adjusted result used to determine the place in this event.

Before the meet starts:

4. Set up and test 50 free results system

- Connect power supply to 50 free results computer and turn on.
- Connect power supply to 50 free results printer and USB cable from that printer to 50 free results computer and print a test PDF file.
- Connect results computer to 50 free results computer with LAN cable. Share a folder on the network on one computer and make sure the other computer can see it. Or alternatively, make sure the USB stick can be seen on both computers.

During the meet:

5. Process 50 free results normally

- Have the computer operator process the 50 free results in the usual way, including posting the results.

6. Generate HTML Results file

Have the computer operator create a second results report for the 50 free in HTML format:

- In Meet Manager, go to Reports, Results.
- Select 50 free event.
- Under Report Type, select Flat HTML.
- Under Include In Results, deselect everything.
- Click Create Report.
- Save it to the meet folder; alternately a USB stick. Note for the next event, the report will need to be changed back to not HTML with the appropriate result report parameters.

7. Transfer HTML file to 50 free results computer

- This is best done by networking the 50 free results computer to the Results computer and then share folders; alternatively this can be done with a USB Stick.

8. Import HTML file to Excel

- Open the HTML file that was saved in Excel. Save as Excel file, naming such as 2017 Masters Resolution 50 free adjusted results.xlsx.

9. Sort by gender then age

Cut and paste men in to different tab and name it "men". Then rename the other tab "women".

For women:

- Select column of data, then select Data, Text to Columns.
- Select Fixed Width and Next.
- Click at the beginning of Name, Age and Club headers to add width breaks.
- Click before the largest number, which will probably be 1:xx.xx, or 2 columns to the left of most times which are sub-1 minute times like xx.xx. *Failure to do this step correctly can result in the first person over 60 seconds winning the race.*
- Click Finish. Expand out newly filled out rows to show all by double-clicking on their rightmost lines.
- Select all the data.
- Select Data, Sort.
- Select column with age, column C. This should put them in order of age.
- Delete all the rows below the results.

Repeat for men.

On women's tab, insert column before name and copy "W" in to each cell.

On men's tab, insert column before name and copy "M" in to each cell.

10. Adjust results

For women:

- Open ratios spreadsheet and copy women's age group and ratio in to the women's tab three columns past the end of the data. Delete the middle world record row just copied in if applicable.
- Copy down the matching ratio to the column next to the swimmer's result based on their age. *Note that this is error prone, so go slowly and methodically.*
- Calculate the adjusted time next to the ratio by multiplying the ratio by the swimmer's result.

Repeat for men.

11. Combine and sort by adjusted time

- Create a new tab and name it “combined”.
- On the first line, put the title, i.e. “2017 Masters Resolution 50Y Free Challenge Results”.
- On the second line, put the result headers “place gender name age team time ratio adjusted”. You can cut and paste this in, then in Data go Text to Columns, delimited, space. Underline these headers.
- On the next line, copy in all the data from the women’s tab except for the table of ratios.
- Below the women’s results, copy in all the data from the men’s tab except for the table of ratios.
- Delete the original place values in the first column.
- Select all data and go to Data, Sort, by “adjusted” column.

12. Format report

- With all data still selected, go to Home, borders, all borders.
- With all data still selected, go to Home, Font, Calibri, 11, not Bold.
- Type in 1 and 2 in the first two places, then select all of the place cells, select Home, Fill, Series and OK.
- Select time, ratio and adjusted data and set to 2 decimal places – right click, format cells, number, decimal places = 2, OK.
- Adjust first column to just fit “place”. Double-click on the rest of the right lines of each column of data to fit it to the right width.
- Center place, gender and age columns.
- Select Page Layout, Margins, Narrow.
- Select Orientation, Landscape.
- Select all the data and select Print Area, Set Print Area.
- Select size until it just fits one sheet wide, approximately 160%. Check in Print Preview.
- Save file.

13. Create PDF of results

- Save file as PDF. It will save in the active sheet in the same folder, formatted for printing.

14. Print results

Print results on dedicated 50 free results printer and show to Meet Director for approval. The first page should look like this:

2017 Masters Resolution 50Y Free Challenge Results

<u>place</u>	<u>gender</u>	<u>name</u>	<u>age</u>	<u>team</u>	<u>time</u>	<u>ratio</u>	<u>adjusted</u>
1	F	Richards, Ericka L	37	Santa Rosa Maste-38	24.51	0.81	19.73
2	M	Stanley, Mark	65	Santa Rosa Maste-38	26.54	0.79	21.07
3	M	Wilder, Hugh	68	Santa Rosa Maste-38	26.58	0.79	21.10
4	M	Bessire, Brent	46	Santa Rosa Maste-38	24.82	0.87	21.64
5	F	Dodd, Dina	52	Northern Sierra-38	29.45	0.74	21.82
6	M	Woolard, Woody	52	UC33-33	25.36	0.87	22.01
7	M	Cutting, Steve	58	Tri Valley Maste-38	25.86	0.86	22.11
8	M	Patocchi, Robert J	59	Cal Maritime Aca-38	26.01	0.86	22.24
9	M	McPherson, Andrew M	68	Davis Aquatic Ma-38	28.15	0.79	22.35
10	F	Anderson, Allie A	38	Northern Sierra-38	27.88	0.81	22.44
11	M	Hauck, Brian A	47	Santa Rosa Maste-38	25.74	0.87	22.45
12	M	Virkus, Todd	44	Active Sports-38	25.36	0.90	22.75
13	M	Pettibone, Chip	53	Santa Rosa Maste-38	26.39	0.87	22.91
14	M	Hardisty, Owen P	35	Sonoma Aquatic C-38	25.04	0.92	23.01
15	F	Jaubert, Leslie M	57	Santa Rosa Maste-38	31.64	0.73	23.07
16	M	Mc Cracken, Bill	54	Tri Valley Maste-38	26.64	0.87	23.12
17	M	Novotny, Gregg R	63	Northern Sierra-38	28.46	0.83	23.56
18	M	Cort, Doug A	65	Cal Maritime Aca-38	29.76	0.79	23.63
19	M	Jacobson, Noah	40	Active Sports-38	26.48	0.90	23.75

15. Post results

- Post results for all to see.

16. Email results

- Email results to meet director.