

# Retirement Formulas and Benefit Factors

## State Miscellaneous & Industrial Members — 2% at 60



### Retirement Estimate Calculator

Do you want a retirement estimate that uses data your employer already reported to CalPERS? Then log in to your myCalPERS account at [my.calpers.ca.gov](http://my.calpers.ca.gov) to obtain an estimate. You can generate a variety of scenarios and save them in myCalPERS for future reference.

### Understanding Your Retirement Formula

Your benefit factor, also known as age factor, is the percentage of pay to which you are entitled for each year of service. It is determined by your age at retirement and the retirement formula that applies to your classification.

Log in to your myCalPERS account at [my.calpers.ca.gov](http://my.calpers.ca.gov) for information on determining which formula applies to you. You can refer to your CalPERS Annual Member Statement to verify your retirement formula. If you have questions, call us at **888 CalPERS** (or **888-225-7377**).

### Reading the Retirement Formula Charts

We have included two charts related to the state miscellaneous and industrial retirement formula 2% at 60. The chart below shows how the benefit factor increases for each quarter year of age from 50 to 63. The chart on the next page shows the percentage of final compensation you will receive.

2% at 60 Retirement Formula — Minimum retirement age is 50 years				
Age	Exact Year	¼ Year	½ Year	¾ Year
50	1.092%	1.108%	1.124%	1.140%
51	1.156%	1.172%	1.190%	1.206%
52	1.224%	1.242%	1.260%	1.278%
53	1.296%	1.316%	1.336%	1.356%
54	1.376%	1.396%	1.418%	1.438%
55	1.460%	1.482%	1.506%	1.528%
56	1.552%	1.576%	1.600%	1.626%
57	1.650%	1.678%	1.704%	1.730%
58	1.758%	1.786%	1.816%	1.846%
59	1.874%	1.906%	1.938%	1.970%
60	2.000%	2.034%	2.068%	2.100%
61	2.134%	2.168%	2.202%	2.238%
62	2.272%	2.308%	2.346%	2.382%
63 or older	2.418%	2.418%	2.418%	2.418%

**Percentage of Final Compensation — 2% at 60 Retirement Formula**

Age	50	51	52	53	54	55	56	57	58	59	60	61	62	63+
<b>Benefit Factor</b>	1.092	1.156	1.224	1.296	1.376	1.460	1.552	1.650	1.758	1.874	2.000	2.134	2.272	2.418
Years of Service	Percentage of Final Compensation													
5	5.46	5.78	6.12	6.48	6.88	7.30	7.76	8.25	8.79	9.37	10.00	10.67	11.36	12.09
6	6.55	6.94	7.34	7.78	8.26	8.76	9.31	9.90	10.55	11.24	12.00	12.80	13.63	14.51
7	7.64	8.09	8.57	9.07	9.63	10.22	10.86	11.55	12.31	13.12	14.00	14.94	15.90	16.93
8	8.74	9.25	9.79	10.37	11.01	11.68	12.42	13.20	14.06	14.99	16.00	17.07	18.18	19.34
9	9.83	10.40	11.02	11.66	12.38	13.14	13.97	14.85	15.82	16.87	18.00	19.21	20.45	21.76
10	10.92	11.56	12.24	12.96	13.76	14.60	15.52	16.50	17.58	18.74	20.00	21.34	22.72	24.18
11	12.01	12.72	13.46	14.26	15.14	16.06	17.07	18.15	19.34	20.61	22.00	23.47	24.99	26.60
12	13.10	13.87	14.69	15.55	16.51	17.52	18.62	19.80	21.10	22.49	24.00	25.61	27.26	29.02
13	14.20	15.03	15.91	16.85	17.89	18.98	20.18	21.45	22.85	24.36	26.00	27.74	29.54	31.43
14	15.29	16.18	17.14	18.14	19.26	20.44	21.73	23.10	24.61	26.24	28.00	29.88	31.81	33.85
15	16.38	17.34	18.36	19.44	20.64	21.90	23.28	24.75	26.37	28.11	30.00	32.01	34.08	36.27
16	17.47	18.50	19.58	20.74	22.02	23.36	24.83	26.40	28.13	29.98	32.00	34.14	36.35	38.69
17	18.56	19.65	20.81	22.03	23.39	24.82	26.38	28.05	29.89	31.85	34.00	36.28	38.62	41.11
18	19.66	20.81	22.03	23.33	24.77	26.28	27.94	29.70	31.64	33.73	36.00	38.41	40.90	43.52
19	20.75	21.96	23.26	24.62	26.14	27.74	29.49	31.35	33.40	35.61	38.00	40.55	43.17	45.94
20	21.84	23.12	24.48	25.92	27.52	29.20	31.04	33.00	35.16	37.48	40.00	42.68	45.44	48.36
21	22.93	24.28	25.70	27.22	28.90	30.66	32.59	34.65	36.92	39.35	42.00	44.81	47.71	50.78
22	24.02	25.43	26.93	28.51	30.27	32.12	34.14	36.30	38.68	41.23	44.00	46.95	49.98	53.20
23	25.12	26.59	28.15	29.81	31.65	33.58	35.70	37.95	40.43	43.10	46.00	49.08	52.26	55.61
24	26.21	27.74	29.38	31.10	33.02	35.04	37.25	39.60	42.19	44.98	48.00	51.22	54.53	58.03
25	27.30	28.90	30.60	32.40	34.40	36.50	38.80	41.25	43.95	46.85	50.00	53.35	56.80	60.45
26	28.39	30.06	31.82	33.70	35.78	37.96	40.35	42.90	45.71	48.72	52.00	55.48	59.07	62.87
27	29.48	31.21	33.05	34.99	37.15	39.42	41.90	44.55	47.47	50.60	54.00	57.62	61.34	65.29
28	30.58	32.37	34.27	36.29	38.53	40.88	43.46	46.20	49.22	52.47	56.00	59.75	63.62	67.70
29	31.67	33.52	35.50	37.58	39.90	42.34	45.01	47.85	50.98	54.35	58.00	61.89	65.89	70.12
30	32.76	34.68	36.72	38.88	41.28	43.80	46.56	49.50	52.74	56.22	60.00	64.02	68.16	72.54
31	33.85	35.84	37.94	40.18	42.66	45.26	48.11	51.15	54.50	58.09	62.00	66.15	70.43	74.96
32	34.94	36.99	39.17	41.47	44.03	46.72	49.66	52.80	56.26	59.97	64.00	68.29	72.70	77.38
33	36.04	38.15	40.39	42.77	45.14	48.18	51.22	54.45	58.01	61.84	66.00	70.42	74.98	79.79
34	—	39.30	41.62	44.06	46.78	49.64	52.77	56.10	59.77	63.72	68.00	72.56	77.25	82.21
35	—	—	42.84	45.36	48.16	51.10	54.32	57.75	61.53	65.59	70.00	74.69	79.52	84.63
36	—	—	—	46.66	49.54	52.56	55.87	59.40	63.29	67.46	72.00	76.82	81.79	87.05
37	—	—	—	—	50.91	54.02	57.42	61.05	65.05	69.34	74.00	78.96	84.06	89.47
38	—	—	—	—	—	55.48	58.98	62.70	66.80	71.21	76.00	81.09	86.34	91.88
39	—	—	—	—	—	—	60.53	64.35	68.56	73.09	78.00	83.23	88.61	94.30
40	—	—	—	—	—	—	—	66.00	70.32	74.96	80.00	85.36	90.88	96.72