

Temperature Conversion for 8 Cylinder Engines

Gauge Reading	Ambient Temp Displacement	100 F	110 F	120 F	130 F	140 F	150 F	160 F	170 F	180 F
1	8	8.2	8.22	8.24	8.3	8.36	8.42	8.48	8.56	8.64
1.5	12	12.3	12.33	12.36	12.45	12.54	12.63	12.72	12.84	12.96
2	16	16.4	16.44	16.48	16.6	16.72	16.84	16.96	17.12	17.28
2.5	20	20.5	20.55	20.6	20.75	20.9	21.05	21.2	21.4	21.6
3	24	24.6	24.66	24.72	24.9	25.08	25.26	25.44	25.68	25.92
3.5	28	28.7	28.77	28.84	29.05	29.26	29.47	29.68	29.96	30.24
4	32	32.8	32.88	32.96	33.2	33.44	33.68	33.92	34.24	34.56
4.5	36	36.9	36.99	37.08	37.35	37.62	37.89	38.16	38.52	38.88
5	40	41	41.1	41.2	41.5	41.8	42.1	42.4	42.8	43.2
5.5	44	45.1	45.21	45.32	45.65	45.98	46.31	46.64	47.08	47.52
6	48	49.2	49.32	49.44	49.8	50.16	50.52	50.88	51.36	51.84
6.5	52	53.3	53.43	53.56	53.95	54.34	54.73	55.12	55.64	56.16
7	56	57.4	57.54	57.68	58.1	58.52	58.94	59.36	59.92	60.48
7.5	60	61.5	61.65	61.8	62.25	62.7	63.15	63.6	64.2	64.8
8	64	65.6	65.76	65.92	66.4	66.88	67.36	67.84	68.48	69.12
8.5	68	69.7	69.87	70.04	70.55	71.06	71.57	72.08	72.76	73.44
9	72	73.8	73.98	74.16	74.7	75.24	75.78	76.32	77.04	77.76
9.5	76	77.9	78.09	78.28	78.85	79.42	79.99	80.56	81.32	82.08
10	80	82	82.2	82.4	83	83.6	84.2	84.8	85.6	86.4
10.5	84	86.1	86.31	86.52	87.15	87.78	88.41	89.04	89.88	90.72
11	88	90.2	90.42	90.64	91.3	91.96	92.62	93.28	94.16	95.04
11.5	92	94.3	94.53	94.76	95.45	96.14	96.83	97.52	98.44	99.36
12	96	98.4	98.64	98.88	99.6	100.32	101.04	101.76	102.72	103.68
12.5	100	102.5	102.75	103	103.75	104.5	105.25	106	107	108
13	104	106.6	106.86	107.12	107.9	108.68	109.46	110.24	111.28	112.32
13.5	108	110.7	110.97	111.24	112.05	112.86	113.67	114.48	115.56	116.64
14	112	114.8	115.08	115.36	116.2	117.04	117.88	118.72	119.84	120.96
14.5	116	118.9	119.19	119.48	120.35	121.22	122.09	122.96	124.12	125.28
15	120	123	123.3	123.6	124.5	125.4	126.3	127.2	128.4	129.6
15.5	124	127.1	127.41	127.72	128.65	129.58	130.51	131.44	132.68	133.92
16	128	131.2	131.52	131.84	132.8	133.76	134.72	135.68	136.96	138.24
16.5	132	135.3	135.63	135.96	136.95	137.94	138.93	139.92	141.24	142.56
17	136	139.4	139.74	140.08	141.1	142.12	143.14	144.16	145.52	146.88
17.5	140	143.5	143.85	144.2	145.25	146.3	147.35	148.4	149.8	151.2
18	144	147.6	147.96	148.32	149.4	150.48	151.56	152.64	154.08	155.52
18.5	148	151.7	152.07	152.44	153.55	154.66	155.77	156.88	158.36	159.84
19	152	155.8	156.18	156.56	157.7	158.84	159.98	161.12	162.64	164.16
19.5	156	159.9	160.29	160.68	161.85	163.02	164.19	165.36	166.92	168.48
20	160	164	164.4	164.8	166	167.2	168.4	169.6	171.2	172.8
20.5	164	168.1	168.51	168.92	170.15	171.38	172.61	173.84	175.48	177.12
21	168	172.2	172.62	173.04	174.3	175.56	176.82	178.08	179.76	181.44
21.5	172	176.3	176.73	177.16	178.45	179.74	181.03	182.32	184.04	185.76
22	176	180.4	180.84	181.28	182.6	183.92	185.24	186.56	188.32	190.08
22.5	180	184.5	184.95	185.4	186.75	188.1	189.45	190.8	192.6	194.4
23	184	188.6	189.06	189.52	190.9	192.28	193.66	195.04	196.88	198.72
23.5	188	192.7	193.17	193.64	195.05	196.46	197.87	199.28	201.16	203.04
24	192	196.8	197.28	197.76	199.2	200.64	202.08	203.52	205.44	207.36
24.5	196	200.9	201.39	201.88	203.35	204.82	206.29	207.76	209.72	211.68
25	200	205	205.5	206	207.5	209	210.5	212	214	216
25.5	204	209.1	209.61	210.12	211.65	213.18	214.71	216.24	218.28	220.32

Temperature Conversion for 8 Cylinder Engines

Gauge Reading	Ambient Temp Displacement	100 F	110 F	120 F	130 F	140 F	150 F	160 F	170 F	180 F
26	208	213.2	213.72	214.24	215.8	217.36	218.92	220.48	222.56	224.64
26.5	212	217.3	217.83	218.36	219.95	221.54	223.13	224.72	226.84	228.96
27	216	221.4	221.94	222.48	224.1	225.72	227.34	228.96	231.12	233.28
27.5	220	225.5	226.05	226.6	228.25	229.9	231.55	233.2	235.4	237.6
28	224	229.6	230.16	230.72	232.4	234.08	235.76	237.44	239.68	241.92
28.5	228	233.7	234.27	234.84	236.55	238.26	239.97	241.68	243.96	246.24
29	232	237.8	238.38	238.96	240.7	242.44	244.18	245.92	248.24	250.56
29.5	236	241.9	242.49	243.08	244.85	246.62	248.39	250.16	252.52	254.88
30	240	246	246.6	247.2	249	250.8	252.6	254.4	256.8	259.2
30.5	244	250.1	250.71	251.32	253.15	254.98	256.81	258.64	261.08	263.52
31	248	254.2	254.82	255.44	257.3	259.16	261.02	262.88	265.36	267.84
31.5	252	258.3	258.93	259.56	261.45	263.34	265.23	267.12	269.64	272.16
32	256	262.4	263.04	263.68	265.6	267.52	269.44	271.36	273.92	276.48
32.5	260	266.5	267.15	267.8	269.75	271.7	273.65	275.6	278.2	280.8
33	264	270.6	271.26	271.92	273.9	275.88	277.86	279.84	282.48	285.12
33.5	268	274.7	275.37	276.04	278.05	280.06	282.07	284.08	286.76	289.44
34	272	278.8	279.48	280.16	282.2	284.24	286.28	288.32	291.04	293.76
34.5	276	282.9	283.59	284.28	286.35	288.42	290.49	292.56	295.32	298.08
35	280	287	287.7	288.4	290.5	292.6	294.7	296.8	299.6	302.4
35.5	284	291.1	291.81	292.52	294.65	296.78	298.91	301.04	303.88	306.72
36	288	295.2	295.92	296.64	298.8	300.96	303.12	305.28	308.16	311.04
36.5	292	299.3	300.03	300.76	302.95	305.14	307.33	309.52	312.44	315.36
37	296	303.4	304.14	304.88	307.1	309.32	311.54	313.76	316.72	319.68
37.5	300	307.5	308.25	309	311.25	313.5	315.75	318	321	324
38	304	311.6	312.36	313.12	315.4	317.68	319.96	322.24	325.28	328.32
38.5	308	315.7	316.47	317.24	319.55	321.86	324.17	326.48	329.56	332.64
39	312	319.8	320.58	321.36	323.7	326.04	328.38	330.72	333.84	336.96
39.5	316	323.9	324.69	325.48	327.85	330.22	332.59	334.96	338.12	341.28
40	320	328	328.8	329.6	332	334.4	336.8	339.2	342.4	345.6
40.5	324	332.1	332.91	333.72	336.15	338.58	341.01	343.44	346.68	349.92
41	328	336.2	337.02	337.84	340.3	342.76	345.22	347.68	350.96	354.24
41.5	332	340.3	341.13	341.96	344.45	346.94	349.43	351.92	355.24	358.56
42	336	344.4	345.24	346.08	348.6	351.12	353.64	356.16	359.52	362.88
42.5	340	348.5	349.35	350.2	352.75	355.3	357.85	360.4	363.8	367.2
43	344	352.6	353.46	354.32	356.9	359.48	362.06	364.64	368.08	371.52
43.5	348	356.7	357.57	358.44	361.05	363.66	366.27	368.88	372.36	375.84
44	352	360.8	361.68	362.56	365.2	367.84	370.48	373.12	376.64	380.16
44.5	356	364.9	365.79	366.68	369.35	372.02	374.69	377.36	380.92	384.48
45	360	369	369.9	370.8	373.5	376.2	378.9	381.6	385.2	388.8
45.5	364	373.1	374.01	374.92	377.65	380.38	383.11	385.84	389.48	393.12
46	368	377.2	378.12	379.04	381.8	384.56	387.32	390.08	393.76	397.44
46.5	372	381.3	382.23	383.16	385.95	388.74	391.53	394.32	398.04	401.76
47	376	385.4	386.34	387.28	390.1	392.92	395.74	398.56	402.32	406.08
47.5	380	389.5	390.45	391.4	394.25	397.1	399.95	402.8	406.6	410.4
48	384	393.6	394.56	395.52	398.4	401.28	404.16	407.04	410.88	414.72
48.5	388	397.7	398.67	399.64	402.55	405.46	408.37	411.28	415.16	419.04
49	392	401.8	402.78	403.76	406.7	409.64	412.58	415.52	419.44	423.36
49.5	396	405.9	406.89	407.88	410.85	413.82	416.79	419.76	423.72	427.68
50	400	410	411	412	415	418	421	424	428	432
50.5	404	414.1	415.11	416.12	419.15	422.18	425.21	428.24	432.28	436.32

Temperature Conversion for 8 Cylinder Engines

Gauge Reading	Ambient Temp Displacement	100 F	110 F	120 F	130 F	140 F	150 F	160 F	170 F	180 F
51	408	418.2	419.22	420.24	423.3	426.36	429.42	432.48	436.56	440.64
51.5	412	422.3	423.33	424.36	427.45	430.54	433.63	436.72	440.84	444.96
52	416	426.4	427.44	428.48	431.6	434.72	437.84	440.96	445.12	449.28
52.5	420	430.5	431.55	432.6	435.75	438.9	442.05	445.2	449.4	453.6
53	424	434.6	435.66	436.72	439.9	443.08	446.26	449.44	453.68	457.92
53.5	428	438.7	439.77	440.84	444.05	447.26	450.47	453.68	457.96	462.24
54	432	442.8	443.88	444.96	448.2	451.44	454.68	457.92	462.24	466.56
54.5	436	446.9	447.99	449.08	452.35	455.62	458.89	462.16	466.52	470.88
55	440	451	452.1	453.2	456.5	459.8	463.1	466.4	470.8	475.2
55.5	444	455.1	456.21	457.32	460.65	463.98	467.31	470.64	475.08	479.52
56	448	459.2	460.32	461.44	464.8	468.16	471.52	474.88	479.36	483.84
56.5	452	463.3	464.43	465.56	468.95	472.34	475.73	479.12	483.64	488.16
57	456	467.4	468.54	469.68	473.1	476.52	479.94	483.36	487.92	492.48
57.5	460	471.5	472.65	473.8	477.25	480.7	484.15	487.6	492.2	496.8
58	464	475.6	476.76	477.92	481.4	484.88	488.36	491.84	496.48	501.12
58.5	468	479.7	480.87	482.04	485.55	489.06	492.57	496.08	500.76	505.44
59	472	483.8	484.98	486.16	489.7	493.24	496.78	500.32	505.04	509.76
59.5	476	487.9	489.09	490.28	493.85	497.42	500.99	504.56	509.32	514.08
60	480	492	493.2	494.4	498	501.6	505.2	508.8	513.6	518.4
60.5	484	496.1	497.31	498.52	502.15	505.78	509.41	513.04	517.88	522.72
61	488	500.2	501.42	502.64	506.3	509.96	513.62	517.28	522.16	527.04
61.5	492	504.3	505.53	506.76	510.45	514.14	517.83	521.52	526.44	531.36
62	496	508.4	509.64	510.88	514.6	518.32	522.04	525.76	530.72	535.68
62.5	500	512.5	513.75	515	518.75	522.5	526.25	530	535	540
63	504	516.6	517.86	519.12	522.9	526.68	530.46	534.24	539.28	544.32
63.5	508	520.7	521.97	523.24	527.05	530.86	534.67	538.48	543.56	548.64
64	512	524.8	526.08	527.36	531.2	535.04	538.88	542.72	547.84	552.96

Temperature Conversion for 6 Cylinder Engines

Gauge Reading	Ambient Temp Displacement	100 F	110 F	120 F	130 F	140 F	150 F	160 F	170 F	180 F
1	6	6.15	6.165	6.18	6.225	6.27	6.315	6.36	6.42	6.48
1.5	9	9.225	9.2475	9.27	9.3375	9.405	9.4725	9.54	9.63	9.72
2	12	12.3	12.33	12.36	12.45	12.54	12.63	12.72	12.84	12.96
2.5	15	15.375	15.413	15.45	15.563	15.675	15.788	15.9	16.05	16.2
3	18	18.45	18.495	18.54	18.675	18.81	18.945	19.08	19.26	19.44
3.5	21	21.525	21.578	21.63	21.788	21.945	22.103	22.26	22.47	22.68
4	24	24.6	24.66	24.72	24.9	25.08	25.26	25.44	25.68	25.92
4.5	27	27.675	27.743	27.81	28.013	28.215	28.418	28.62	28.89	29.16
5	30	30.75	30.825	30.9	31.125	31.35	31.575	31.8	32.1	32.4
5.5	33	33.825	33.908	33.99	34.238	34.485	34.733	34.98	35.31	35.64
6	36	36.9	36.99	37.08	37.35	37.62	37.89	38.16	38.52	38.88
6.5	39	39.975	40.073	40.17	40.463	40.755	41.048	41.34	41.73	42.12
7	42	43.05	43.155	43.26	43.575	43.89	44.205	44.52	44.94	45.36
7.5	45	46.125	46.238	46.35	46.688	47.025	47.363	47.7	48.15	48.6
8	48	49.2	49.32	49.44	49.8	50.16	50.52	50.88	51.36	51.84
8.5	51	52.275	52.403	52.53	52.913	53.295	53.678	54.06	54.57	55.08
9	54	55.35	55.485	55.62	56.025	56.43	56.835	57.24	57.78	58.32
9.5	57	58.425	58.568	58.71	59.138	59.565	59.993	60.42	60.99	61.56
10	60	61.5	61.65	61.8	62.25	62.7	63.15	63.6	64.2	64.8
10.5	63	64.575	64.733	64.89	65.363	65.835	66.308	66.78	67.41	68.04
11	66	67.65	67.815	67.98	68.475	68.97	69.465	69.96	70.62	71.28
11.5	69	70.725	70.898	71.07	71.588	72.105	72.623	73.14	73.83	74.52
12	72	73.8	73.98	74.16	74.7	75.24	75.78	76.32	77.04	77.76
12.5	75	76.875	77.063	77.25	77.813	78.375	78.938	79.5	80.25	81
13	78	79.95	80.145	80.34	80.925	81.51	82.095	82.68	83.46	84.24
13.5	81	83.025	83.228	83.43	84.038	84.645	85.253	85.86	86.67	87.48
14	84	86.1	86.31	86.52	87.15	87.78	88.41	89.04	89.88	90.72
14.5	87	89.175	89.393	89.61	90.263	90.915	91.568	92.22	93.09	93.96
15	90	92.25	92.475	92.7	93.375	94.05	94.725	95.4	96.3	97.2
15.5	93	95.325	95.558	95.79	96.488	97.185	97.883	98.58	99.51	100.44
16	96	98.4	98.64	98.88	99.6	100.32	101.04	101.76	102.72	103.68
16.5	99	101.48	101.72	101.97	102.71	103.46	104.2	104.94	105.93	106.92
17	102	104.55	104.81	105.06	105.83	106.59	107.36	108.12	109.14	110.16
17.5	105	107.63	107.89	108.15	108.94	109.73	110.51	111.3	112.35	113.4
18	108	110.7	110.97	111.24	112.05	112.86	113.67	114.48	115.56	116.64
18.5	111	113.78	114.05	114.33	115.16	116	116.83	117.66	118.77	119.88
19	114	116.85	117.14	117.42	118.28	119.13	119.99	120.84	121.98	123.12
19.5	117	119.93	120.22	120.51	121.39	122.27	123.14	124.02	125.19	126.36
20	120	123	123.3	123.6	124.5	125.4	126.3	127.2	128.4	129.6
20.5	123	126.08	126.38	126.69	127.61	128.54	129.46	130.38	131.61	132.84
21	126	129.15	129.47	129.78	130.73	131.67	132.62	133.56	134.82	136.08
21.5	129	132.23	132.55	132.87	133.84	134.81	135.77	136.74	138.03	139.32
22	132	135.3	135.63	135.96	136.95	137.94	138.93	139.92	141.24	142.56
22.5	135	138.38	138.71	139.05	140.06	141.08	142.09	143.1	144.45	145.8
23	138	141.45	141.8	142.14	143.18	144.21	145.25	146.28	147.66	149.04
23.5	141	144.53	144.88	145.23	146.29	147.35	148.4	149.46	150.87	152.28
24	144	147.6	147.96	148.32	149.4	150.48	151.56	152.64	154.08	155.52
24.5	147	150.68	151.04	151.41	152.51	153.62	154.72	155.82	157.29	158.76
25	150	153.75	154.13	154.5	155.63	156.75	157.88	159	160.5	162

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25.5	153	156.83	157.21	157.59	158.74	159.89	161.03	162.18	163.71	165.24
26	156	159.9	160.29	160.68	161.85	163.02	164.19	165.36	166.92	168.48
26.5	159	162.98	163.37	163.77	164.96	166.16	167.35	168.54	170.13	171.72
27	162	166.05	166.46	166.86	168.08	169.29	170.51	171.72	173.34	174.96
27.5	165	169.13	169.54	169.95	171.19	172.43	173.66	174.9	176.55	178.2
28	168	172.2	172.62	173.04	174.3	175.56	176.82	178.08	179.76	181.44
28.5	171	175.28	175.7	176.13	177.41	178.7	179.98	181.26	182.97	184.68
29	174	178.35	178.79	179.22	180.53	181.83	183.14	184.44	186.18	187.92
29.5	177	181.43	181.87	182.31	183.64	184.97	186.29	187.62	189.39	191.16
30	180	184.5	184.95	185.4	186.75	188.1	189.45	190.8	192.6	194.4
30.5	183	187.58	188.03	188.49	189.86	191.24	192.61	193.98	195.81	197.64
31	186	190.65	191.12	191.58	192.98	194.37	195.77	197.16	199.02	200.88
31.5	189	193.73	194.2	194.67	196.09	197.51	198.92	200.34	202.23	204.12
32	192	196.8	197.28	197.76	199.2	200.64	202.08	203.52	205.44	207.36
32.5	195	199.88	200.36	200.85	202.31	203.78	205.24	206.7	208.65	210.6
33	198	202.95	203.45	203.94	205.43	206.91	208.4	209.88	211.86	213.84
33.5	201	206.03	206.53	207.03	208.54	210.05	211.55	213.06	215.07	217.08
34	204	209.1	209.61	210.12	211.65	213.18	214.71	216.24	218.28	220.32
34.5	207	212.18	212.69	213.21	214.76	216.32	217.87	219.42	221.49	223.56
35	210	215.25	215.78	216.3	217.88	219.45	221.03	222.6	224.7	226.8
35.5	213	218.33	218.86	219.39	220.99	222.59	224.18	225.78	227.91	230.04
36	216	221.4	221.94	222.48	224.1	225.72	227.34	228.96	231.12	233.28
36.5	219	224.48	225.02	225.57	227.21	228.86	230.5	232.14	234.33	236.52
37	222	227.55	228.11	228.66	230.33	231.99	233.66	235.32	237.54	239.76
37.5	225	230.63	231.19	231.75	233.44	235.13	236.81	238.5	240.75	243
38	228	233.7	234.27	234.84	236.55	238.26	239.97	241.68	243.96	246.24
38.5	231	236.78	237.35	237.93	239.66	241.4	243.13	244.86	247.17	249.48
39	234	239.85	240.44	241.02	242.78	244.53	246.29	248.04	250.38	252.72
39.5	237	242.93	243.52	244.11	245.89	247.67	249.44	251.22	253.59	255.96
40	240	246	246.6	247.2	249	250.8	252.6	254.4	256.8	259.2
40.5	243	249.08	249.68	250.29	252.11	253.94	255.76	257.58	260.01	262.44
41	246	252.15	252.77	253.38	255.23	257.07	258.92	260.76	263.22	265.68
41.5	249	255.23	255.85	256.47	258.34	260.21	262.07	263.94	266.43	268.92
42	252	258.3	258.93	259.56	261.45	263.34	265.23	267.12	269.64	272.16
42.5	255	261.38	262.01	262.65	264.56	266.48	268.39	270.3	272.85	275.4
43	258	264.45	265.1	265.74	267.68	269.61	271.55	273.48	276.06	278.64
43.5	261	267.53	268.18	268.83	270.79	272.75	274.7	276.66	279.27	281.88
44	264	270.6	271.26	271.92	273.9	275.88	277.86	279.84	282.48	285.12
44.5	267	273.68	274.34	275.01	277.01	279.02	281.02	283.02	285.69	288.36
45	270	276.75	277.43	278.1	280.13	282.15	284.18	286.2	288.9	291.6
45.5	273	279.83	280.51	281.19	283.24	285.29	287.33	289.38	292.11	294.84
46	276	282.9	283.59	284.28	286.35	288.42	290.49	292.56	295.32	298.08
46.5	279	285.98	286.67	287.37	289.46	291.56	293.65	295.74	298.53	301.32
47	282	289.05	289.76	290.46	292.58	294.69	296.81	298.92	301.74	304.56
47.5	285	292.13	292.84	293.55	295.69	297.83	299.96	302.1	304.95	307.8
48	288	295.2	295.92	296.64	298.8	300.96	303.12	305.28	308.16	311.04
48.5	291	298.28	299	299.73	301.91	304.1	306.28	308.46	311.37	314.28
49	294	301.35	302.09	302.82	305.03	307.23	309.44	311.64	314.58	317.52
49.5	297	304.43	305.17	305.91	308.14	310.37	312.59	314.82	317.79	320.76

Temperature Conversion for 6 Cylinder Engines

Gauge Reading	Ambient Temp Displacement	100 F	110 F	120 F	130 F	140 F	150 F	160 F	170 F	180 F
50	300	307.5	308.25	309	311.25	313.5	315.75	318	321	324
50.5	303	310.58	311.33	312.09	314.36	316.64	318.91	321.18	324.21	327.24
51	306	313.65	314.42	315.18	317.48	319.77	322.07	324.36	327.42	330.48
51.5	309	316.73	317.5	318.27	320.59	322.91	325.22	327.54	330.63	333.72
52	312	319.8	320.58	321.36	323.7	326.04	328.38	330.72	333.84	336.96
52.5	315	322.88	323.66	324.45	326.81	329.18	331.54	333.9	337.05	340.2
53	318	325.95	326.75	327.54	329.93	332.31	334.7	337.08	340.26	343.44
53.5	321	329.03	329.83	330.63	333.04	335.45	337.85	340.26	343.47	346.68
54	324	332.1	332.91	333.72	336.15	338.58	341.01	343.44	346.68	349.92
54.5	327	335.18	335.99	336.81	339.26	341.72	344.17	346.62	349.89	353.16
55	330	338.25	339.08	339.9	342.38	344.85	347.33	349.8	353.1	356.4
55.5	333	341.33	342.16	342.99	345.49	347.99	350.48	352.98	356.31	359.64
56	336	344.4	345.24	346.08	348.6	351.12	353.64	356.16	359.52	362.88
56.5	339	347.48	348.32	349.17	351.71	354.26	356.8	359.34	362.73	366.12
57	342	350.55	351.41	352.26	354.83	357.39	359.96	362.52	365.94	369.36
57.5	345	353.63	354.49	355.35	357.94	360.53	363.11	365.7	369.15	372.6
58	348	356.7	357.57	358.44	361.05	363.66	366.27	368.88	372.36	375.84
58.5	351	359.78	360.65	361.53	364.16	366.8	369.43	372.06	375.57	379.08
59	354	362.85	363.74	364.62	367.28	369.93	372.59	375.24	378.78	382.32
59.5	357	365.93	366.82	367.71	370.39	373.07	375.74	378.42	381.99	385.56
60	360	369	369.9	370.8	373.5	376.2	378.9	381.6	385.2	388.8
60.5	363	372.08	372.98	373.89	376.61	379.34	382.06	384.78	388.41	392.04
61	366	375.15	376.07	376.98	379.73	382.47	385.22	387.96	391.62	395.28
61.5	369	378.23	379.15	380.07	382.84	385.61	388.37	391.14	394.83	398.52
62	372	381.3	382.23	383.16	385.95	388.74	391.53	394.32	398.04	401.76
62.5	375	384.38	385.31	386.25	389.06	391.88	394.69	397.5	401.25	405
63	378	387.45	388.4	389.34	392.18	395.01	397.85	400.68	404.46	408.24
63.5	381	390.53	391.48	392.43	395.29	398.15	401	403.86	407.67	411.48
64	384	393.6	394.56	395.52	398.4	401.28	404.16	407.04	410.88	414.72

Temperature Conversion for 5 Cylinder Engines

Gauge Reading	Ambient Temp Displacement	100 F	110 F	120 F	130 F	140 F	150 F	160 F	170 F	180 F
1	5	5.125	5.1375	5.15	5.1875	5.225	5.2625	5.3	5.35	5.4
1.5	7.5	7.6875	7.7063	7.725	7.7813	7.8375	7.8938	7.95	8.025	8.1
2	10	10.25	10.275	10.3	10.375	10.45	10.525	10.6	10.7	10.8
2.5	12.5	12.813	12.844	12.875	12.969	13.063	13.156	13.25	13.375	13.5
3	15	15.375	15.413	15.45	15.563	15.675	15.788	15.9	16.05	16.2
3.5	17.5	17.938	17.981	18.025	18.156	18.288	18.419	18.55	18.725	18.9
4	20	20.5	20.55	20.6	20.75	20.9	21.05	21.2	21.4	21.6
4.5	22.5	23.063	23.119	23.175	23.344	23.513	23.681	23.85	24.075	24.3
5	25	25.625	25.688	25.75	25.938	26.125	26.313	26.5	26.75	27
5.5	27.5	28.188	28.256	28.325	28.531	28.738	28.944	29.15	29.425	29.7
6	30	30.75	30.825	30.9	31.125	31.35	31.575	31.8	32.1	32.4
6.5	32.5	33.313	33.394	33.475	33.719	33.963	34.206	34.45	34.775	35.1
7	35	35.875	35.963	36.05	36.313	36.575	36.838	37.1	37.45	37.8
7.5	37.5	38.438	38.531	38.625	38.906	39.188	39.469	39.75	40.125	40.5
8	40	41	41.1	41.2	41.5	41.8	42.1	42.4	42.8	43.2
8.5	42.5	43.563	43.669	43.775	44.094	44.413	44.731	45.05	45.475	45.9
9	45	46.125	46.238	46.35	46.688	47.025	47.363	47.7	48.15	48.6
9.5	47.5	48.688	48.806	48.925	49.281	49.638	49.994	50.35	50.825	51.3
10	50	51.25	51.375	51.5	51.875	52.25	52.625	53	53.5	54
10.5	52.5	53.813	53.944	54.075	54.469	54.863	55.256	55.65	56.175	56.7
11	55	56.375	56.513	56.65	57.063	57.475	57.888	58.3	58.85	59.4
11.5	57.5	58.938	59.081	59.225	59.656	60.088	60.519	60.95	61.525	62.1
12	60	61.5	61.65	61.8	62.25	62.7	63.15	63.6	64.2	64.8
12.5	62.5	64.063	64.219	64.375	64.844	65.313	65.781	66.25	66.875	67.5
13	65	66.625	66.788	66.95	67.438	67.925	68.413	68.9	69.55	70.2
13.5	67.5	69.188	69.356	69.525	70.031	70.538	71.044	71.55	72.225	72.9
14	70	71.75	71.925	72.1	72.625	73.15	73.675	74.2	74.9	75.6
14.5	72.5	74.313	74.494	74.675	75.219	75.763	76.306	76.85	77.575	78.3
15	75	76.875	77.063	77.25	77.813	78.375	78.938	79.5	80.25	81
15.5	77.5	79.438	79.631	79.825	80.406	80.988	81.569	82.15	82.925	83.7
16	80	82	82.2	82.4	83	83.6	84.2	84.8	85.6	86.4
16.5	82.5	84.563	84.769	84.975	85.594	86.213	86.831	87.45	88.275	89.1
17	85	87.125	87.338	87.55	88.188	88.825	89.463	90.1	90.95	91.8
17.5	87.5	89.688	89.906	90.125	90.781	91.438	92.094	92.75	93.625	94.5
18	90	92.25	92.475	92.7	93.375	94.05	94.725	95.4	96.3	97.2
18.5	92.5	94.813	95.044	95.275	95.969	96.663	97.356	98.05	98.975	99.9
19	95	97.375	97.613	97.85	98.563	99.275	99.988	100.7	101.65	102.6
19.5	97.5	99.938	100.18	100.43	101.16	101.89	102.62	103.35	104.33	105.3
20	100	102.5	102.75	103	103.75	104.5	105.25	106	107	108
20.5	102.5	105.06	105.32	105.58	106.34	107.11	107.88	108.65	109.68	110.7
21	105	107.63	107.89	108.15	108.94	109.73	110.51	111.3	112.35	113.4
21.5	107.5	110.19	110.46	110.73	111.53	112.34	113.14	113.95	115.03	116.1
22	110	112.75	113.03	113.3	114.13	114.95	115.78	116.6	117.7	118.8
22.5	112.5	115.31	115.59	115.88	116.72	117.56	118.41	119.25	120.38	121.5
23	115	117.88	118.16	118.45	119.31	120.18	121.04	121.9	123.05	124.2
23.5	117.5	120.44	120.73	121.03	121.91	122.79	123.67	124.55	125.73	126.9
24	120	123	123.3	123.6	124.5	125.4	126.3	127.2	128.4	129.6
24.5	122.5	125.56	125.87	126.18	127.09	128.01	128.93	129.85	131.08	132.3
25	125	128.13	128.44	128.75	129.69	130.63	131.56	132.5	133.75	135

Temperature Conversion for 5 Cylinder Engines

Gauge Reading	Ambient Temp Displacement	100 F	110 F	120 F	130 F	140 F	150 F	160 F	170 F	180 F
25.5	127.5	130.69	131.01	131.33	132.28	133.24	134.19	135.15	136.43	137.7
26	130	133.25	133.58	133.9	134.88	135.85	136.83	137.8	139.1	140.4
26.5	132.5	135.81	136.14	136.48	137.47	138.46	139.46	140.45	141.78	143.1
27	135	138.38	138.71	139.05	140.06	141.08	142.09	143.1	144.45	145.8
27.5	137.5	140.94	141.28	141.63	142.66	143.69	144.72	145.75	147.13	148.5
28	140	143.5	143.85	144.2	145.25	146.3	147.35	148.4	149.8	151.2
28.5	142.5	146.06	146.42	146.78	147.84	148.91	149.98	151.05	152.48	153.9
29	145	148.63	148.99	149.35	150.44	151.53	152.61	153.7	155.15	156.6
29.5	147.5	151.19	151.56	151.93	153.03	154.14	155.24	156.35	157.83	159.3
30	150	153.75	154.13	154.5	155.63	156.75	157.88	159	160.5	162
30.5	152.5	156.31	156.69	157.08	158.22	159.36	160.51	161.65	163.18	164.7
31	155	158.88	159.26	159.65	160.81	161.98	163.14	164.3	165.85	167.4
31.5	157.5	161.44	161.83	162.23	163.41	164.59	165.77	166.95	168.53	170.1
32	160	164	164.4	164.8	166	167.2	168.4	169.6	171.2	172.8
32.5	162.5	166.56	166.97	167.38	168.59	169.81	171.03	172.25	173.88	175.5
33	165	169.13	169.54	169.95	171.19	172.43	173.66	174.9	176.55	178.2
33.5	167.5	171.69	172.11	172.53	173.78	175.04	176.29	177.55	179.23	180.9
34	170	174.25	174.68	175.1	176.38	177.65	178.93	180.2	181.9	183.6
34.5	172.5	176.81	177.24	177.68	178.97	180.26	181.56	182.85	184.58	186.3
35	175	179.38	179.81	180.25	181.56	182.88	184.19	185.5	187.25	189
35.5	177.5	181.94	182.38	182.83	184.16	185.49	186.82	188.15	189.93	191.7
36	180	184.5	184.95	185.4	186.75	188.1	189.45	190.8	192.6	194.4
36.5	182.5	187.06	187.52	187.98	189.34	190.71	192.08	193.45	195.28	197.1
37	185	189.63	190.09	190.55	191.94	193.33	194.71	196.1	197.95	199.8
37.5	187.5	192.19	192.66	193.13	194.53	195.94	197.34	198.75	200.63	202.5
38	190	194.75	195.23	195.7	197.13	198.55	199.98	201.4	203.3	205.2
38.5	192.5	197.31	197.79	198.28	199.72	201.16	202.61	204.05	205.98	207.9
39	195	199.88	200.36	200.85	202.31	203.78	205.24	206.7	208.65	210.6
39.5	197.5	202.44	202.93	203.43	204.91	206.39	207.87	209.35	211.33	213.3
40	200	205	205.5	206	207.5	209	210.5	212	214	216
40.5	202.5	207.56	208.07	208.58	210.09	211.61	213.13	214.65	216.68	218.7
41	205	210.13	210.64	211.15	212.69	214.23	215.76	217.3	219.35	221.4
41.5	207.5	212.69	213.21	213.73	215.28	216.84	218.39	219.95	222.03	224.1
42	210	215.25	215.78	216.3	217.88	219.45	221.03	222.6	224.7	226.8
42.5	212.5	217.81	218.34	218.88	220.47	222.06	223.66	225.25	227.38	229.5
43	215	220.38	220.91	221.45	223.06	224.68	226.29	227.9	230.05	232.2
43.5	217.5	222.94	223.48	224.03	225.66	227.29	228.92	230.55	232.73	234.9
44	220	225.5	226.05	226.6	228.25	229.9	231.55	233.2	235.4	237.6
44.5	222.5	228.06	228.62	229.18	230.84	232.51	234.18	235.85	238.08	240.3
45	225	230.63	231.19	231.75	233.44	235.13	236.81	238.5	240.75	243
45.5	227.5	233.19	233.76	234.33	236.03	237.74	239.44	241.15	243.43	245.7
46	230	235.75	236.33	236.9	238.63	240.35	242.08	243.8	246.1	248.4
46.5	232.5	238.31	238.89	239.48	241.22	242.96	244.71	246.45	248.78	251.1
47	235	240.88	241.46	242.05	243.81	245.58	247.34	249.1	251.45	253.8
47.5	237.5	243.44	244.03	244.63	246.41	248.19	249.97	251.75	254.13	256.5
48	240	246	246.6	247.2	249	250.8	252.6	254.4	256.8	259.2
48.5	242.5	248.56	249.17	249.78	251.59	253.41	255.23	257.05	259.48	261.9
49	245	251.13	251.74	252.35	254.19	256.03	257.86	259.7	262.15	264.6
49.5	247.5	253.69	254.31	254.93	256.78	258.64	260.49	262.35	264.83	267.3

Temperature Conversion for 5 Cylinder Engines

Gauge Reading	Ambient Temp Displacement	100 F	110 F	120 F	130 F	140 F	150 F	160 F	170 F	180 F
50	250	256.25	256.88	257.5	259.38	261.25	263.13	265	267.5	270
50.5	252.5	258.81	259.44	260.08	261.97	263.86	265.76	267.65	270.18	272.7
51	255	261.38	262.01	262.65	264.56	266.48	268.39	270.3	272.85	275.4
51.5	257.5	263.94	264.58	265.23	267.16	269.09	271.02	272.95	275.53	278.1
52	260	266.5	267.15	267.8	269.75	271.7	273.65	275.6	278.2	280.8
52.5	262.5	269.06	269.72	270.38	272.34	274.31	276.28	278.25	280.88	283.5
53	265	271.63	272.29	272.95	274.94	276.93	278.91	280.9	283.55	286.2
53.5	267.5	274.19	274.86	275.53	277.53	279.54	281.54	283.55	286.23	288.9
54	270	276.75	277.43	278.1	280.13	282.15	284.18	286.2	288.9	291.6
54.5	272.5	279.31	279.99	280.68	282.72	284.76	286.81	288.85	291.58	294.3
55	275	281.88	282.56	283.25	285.31	287.38	289.44	291.5	294.25	297
55.5	277.5	284.44	285.13	285.83	287.91	289.99	292.07	294.15	296.93	299.7
56	280	287	287.7	288.4	290.5	292.6	294.7	296.8	299.6	302.4
56.5	282.5	289.56	290.27	290.98	293.09	295.21	297.33	299.45	302.28	305.1
57	285	292.13	292.84	293.55	295.69	297.83	299.96	302.1	304.95	307.8
57.5	287.5	294.69	295.41	296.13	298.28	300.44	302.59	304.75	307.63	310.5
58	290	297.25	297.98	298.7	300.88	303.05	305.23	307.4	310.3	313.2
58.5	292.5	299.81	300.54	301.28	303.47	305.66	307.86	310.05	312.98	315.9
59	295	302.38	303.11	303.85	306.06	308.28	310.49	312.7	315.65	318.6
59.5	297.5	304.94	305.68	306.43	308.66	310.89	313.12	315.35	318.33	321.3
60	300	307.5	308.25	309	311.25	313.5	315.75	318	321	324
60.5	302.5	310.06	310.82	311.58	313.84	316.11	318.38	320.65	323.68	326.7
61	305	312.63	313.39	314.15	316.44	318.73	321.01	323.3	326.35	329.4
61.5	307.5	315.19	315.96	316.73	319.03	321.34	323.64	325.95	329.03	332.1
62	310	317.75	318.53	319.3	321.63	323.95	326.28	328.6	331.7	334.8
62.5	312.5	320.31	321.09	321.88	324.22	326.56	328.91	331.25	334.38	337.5
63	315	322.88	323.66	324.45	326.81	329.18	331.54	333.9	337.05	340.2
63.5	317.5	325.44	326.23	327.03	329.41	331.79	334.17	336.55	339.73	342.9
64	320	328	328.8	329.6	332	334.4	336.8	339.2	342.4	345.6

Temperature Conversion for 4 Cylinder Engines

Gauge Reading	Ambient Temp Displacement	100 F	110 F	120 F	130 F	140 F	150 F	160 F	170 F	180 F
1	4	4.1	4.11	4.12	4.15	4.18	4.21	4.24	4.28	4.32
1.5	6	6.15	6.165	6.18	6.225	6.27	6.315	6.36	6.42	6.48
2	8	8.2	8.22	8.24	8.3	8.36	8.42	8.48	8.56	8.64
2.5	10	10.25	10.275	10.3	10.375	10.45	10.525	10.6	10.7	10.8
3	12	12.3	12.33	12.36	12.45	12.54	12.63	12.72	12.84	12.96
3.5	14	14.35	14.385	14.42	14.525	14.63	14.735	14.84	14.98	15.12
4	16	16.4	16.44	16.48	16.6	16.72	16.84	16.96	17.12	17.28
4.5	18	18.45	18.495	18.54	18.675	18.81	18.945	19.08	19.26	19.44
5	20	20.5	20.55	20.6	20.75	20.9	21.05	21.2	21.4	21.6
5.5	22	22.55	22.605	22.66	22.825	22.99	23.155	23.32	23.54	23.76
6	24	24.6	24.66	24.72	24.9	25.08	25.26	25.44	25.68	25.92
6.5	26	26.65	26.715	26.78	26.975	27.17	27.365	27.56	27.82	28.08
7	28	28.7	28.77	28.84	29.05	29.26	29.47	29.68	29.96	30.24
7.5	30	30.75	30.825	30.9	31.125	31.35	31.575	31.8	32.1	32.4
8	32	32.8	32.88	32.96	33.2	33.44	33.68	33.92	34.24	34.56
8.5	34	34.85	34.935	35.02	35.275	35.53	35.785	36.04	36.38	36.72
9	36	36.9	36.99	37.08	37.35	37.62	37.89	38.16	38.52	38.88
9.5	38	38.95	39.045	39.14	39.425	39.71	39.995	40.28	40.66	41.04
10	40	41	41.1	41.2	41.5	41.8	42.1	42.4	42.8	43.2
10.5	42	43.05	43.155	43.26	43.575	43.89	44.205	44.52	44.94	45.36
11	44	45.1	45.21	45.32	45.65	45.98	46.31	46.64	47.08	47.52
11.5	46	47.15	47.265	47.38	47.725	48.07	48.415	48.76	49.22	49.68
12	48	49.2	49.32	49.44	49.8	50.16	50.52	50.88	51.36	51.84
12.5	50	51.25	51.375	51.5	51.875	52.25	52.625	53	53.5	54
13	52	53.3	53.43	53.56	53.95	54.34	54.73	55.12	55.64	56.16
13.5	54	55.35	55.485	55.62	56.025	56.43	56.835	57.24	57.78	58.32
14	56	57.4	57.54	57.68	58.1	58.52	58.94	59.36	59.92	60.48
14.5	58	59.45	59.595	59.74	60.175	60.61	61.045	61.48	62.06	62.64
15	60	61.5	61.65	61.8	62.25	62.7	63.15	63.6	64.2	64.8
15.5	62	63.55	63.705	63.86	64.325	64.79	65.255	65.72	66.34	66.96
16	64	65.6	65.76	65.92	66.4	66.88	67.36	67.84	68.48	69.12
16.5	66	67.65	67.815	67.98	68.475	68.97	69.465	69.96	70.62	71.28
17	68	69.7	69.87	70.04	70.55	71.06	71.57	72.08	72.76	73.44
17.5	70	71.75	71.925	72.1	72.625	73.15	73.675	74.2	74.9	75.6
18	72	73.8	73.98	74.16	74.7	75.24	75.78	76.32	77.04	77.76
18.5	74	75.85	76.035	76.22	76.775	77.33	77.885	78.44	79.18	79.92
19	76	77.9	78.09	78.28	78.85	79.42	79.99	80.56	81.32	82.08
19.5	78	79.95	80.145	80.34	80.925	81.51	82.095	82.68	83.46	84.24
20	80	82	82.2	82.4	83	83.6	84.2	84.8	85.6	86.4
20.5	82	84.05	84.255	84.46	85.075	85.69	86.305	86.92	87.74	88.56
21	84	86.1	86.31	86.52	87.15	87.78	88.41	89.04	89.88	90.72
21.5	86	88.15	88.365	88.58	89.225	89.87	90.515	91.16	92.02	92.88
22	88	90.2	90.42	90.64	91.3	91.96	92.62	93.28	94.16	95.04
22.5	90	92.25	92.475	92.7	93.375	94.05	94.725	95.4	96.3	97.2
23	92	94.3	94.53	94.76	95.45	96.14	96.83	97.52	98.44	99.36
23.5	94	96.35	96.585	96.82	97.525	98.23	98.935	99.64	100.58	101.52
24	96	98.4	98.64	98.88	99.6	100.32	101.04	101.76	102.72	103.68
24.5	98	100.45	100.7	100.94	101.68	102.41	103.15	103.88	104.86	105.84
25	100	102.5	102.75	103	103.75	104.5	105.25	106	107	108

Temperature Conversion for 4 Cylinder Engines

Gauge Reading	Ambient Temp Displacement	100 F	110 F	120 F	130 F	140 F	150 F	160 F	170 F	180 F
25.5	102	104.55	104.81	105.06	105.83	106.59	107.36	108.12	109.14	110.16
26	104	106.6	106.86	107.12	107.9	108.68	109.46	110.24	111.28	112.32
26.5	106	108.65	108.92	109.18	109.98	110.77	111.57	112.36	113.42	114.48
27	108	110.7	110.97	111.24	112.05	112.86	113.67	114.48	115.56	116.64
27.5	110	112.75	113.03	113.3	114.13	114.95	115.78	116.6	117.7	118.8
28	112	114.8	115.08	115.36	116.2	117.04	117.88	118.72	119.84	120.96
28.5	114	116.85	117.14	117.42	118.28	119.13	119.99	120.84	121.98	123.12
29	116	118.9	119.19	119.48	120.35	121.22	122.09	122.96	124.12	125.28
29.5	118	120.95	121.25	121.54	122.43	123.31	124.2	125.08	126.26	127.44
30	120	123	123.3	123.6	124.5	125.4	126.3	127.2	128.4	129.6
30.5	122	125.05	125.36	125.66	126.58	127.49	128.41	129.32	130.54	131.76
31	124	127.1	127.41	127.72	128.65	129.58	130.51	131.44	132.68	133.92
31.5	126	129.15	129.47	129.78	130.73	131.67	132.62	133.56	134.82	136.08
32	128	131.2	131.52	131.84	132.8	133.76	134.72	135.68	136.96	138.24
32.5	130	133.25	133.58	133.9	134.88	135.85	136.83	137.8	139.1	140.4
33	132	135.3	135.63	135.96	136.95	137.94	138.93	139.92	141.24	142.56
33.5	134	137.35	137.69	138.02	139.03	140.03	141.04	142.04	143.38	144.72
34	136	139.4	139.74	140.08	141.1	142.12	143.14	144.16	145.52	146.88
34.5	138	141.45	141.8	142.14	143.18	144.21	145.25	146.28	147.66	149.04
35	140	143.5	143.85	144.2	145.25	146.3	147.35	148.4	149.8	151.2
35.5	142	145.55	145.91	146.26	147.33	148.39	149.46	150.52	151.94	153.36
36	144	147.6	147.96	148.32	149.4	150.48	151.56	152.64	154.08	155.52
36.5	146	149.65	150.02	150.38	151.48	152.57	153.67	154.76	156.22	157.68
37	148	151.7	152.07	152.44	153.55	154.66	155.77	156.88	158.36	159.84
37.5	150	153.75	154.13	154.5	155.63	156.75	157.88	159	160.5	162
38	152	155.8	156.18	156.56	157.7	158.84	159.98	161.12	162.64	164.16
38.5	154	157.85	158.24	158.62	159.78	160.93	162.09	163.24	164.78	166.32
39	156	159.9	160.29	160.68	161.85	163.02	164.19	165.36	166.92	168.48
39.5	158	161.95	162.35	162.74	163.93	165.11	166.3	167.48	169.06	170.64
40	160	164	164.4	164.8	166	167.2	168.4	169.6	171.2	172.8
40.5	162	166.05	166.46	166.86	168.08	169.29	170.51	171.72	173.34	174.96
41	164	168.1	168.51	168.92	170.15	171.38	172.61	173.84	175.48	177.12
41.5	166	170.15	170.57	170.98	172.23	173.47	174.72	175.96	177.62	179.28
42	168	172.2	172.62	173.04	174.3	175.56	176.82	178.08	179.76	181.44
42.5	170	174.25	174.68	175.1	176.38	177.65	178.93	180.2	181.9	183.6
43	172	176.3	176.73	177.16	178.45	179.74	181.03	182.32	184.04	185.76
43.5	174	178.35	178.79	179.22	180.53	181.83	183.14	184.44	186.18	187.92
44	176	180.4	180.84	181.28	182.6	183.92	185.24	186.56	188.32	190.08
44.5	178	182.45	182.9	183.34	184.68	186.01	187.35	188.68	190.46	192.24
45	180	184.5	184.95	185.4	186.75	188.1	189.45	190.8	192.6	194.4
45.5	182	186.55	187.01	187.46	188.83	190.19	191.56	192.92	194.74	196.56
46	184	188.6	189.06	189.52	190.9	192.28	193.66	195.04	196.88	198.72
46.5	186	190.65	191.12	191.58	192.98	194.37	195.77	197.16	199.02	200.88
47	188	192.7	193.17	193.64	195.05	196.46	197.87	199.28	201.16	203.04
47.5	190	194.75	195.23	195.7	197.13	198.55	199.98	201.4	203.3	205.2
48	192	196.8	197.28	197.76	199.2	200.64	202.08	203.52	205.44	207.36
48.5	194	198.85	199.34	199.82	201.28	202.73	204.19	205.64	207.58	209.52
49	196	200.9	201.39	201.88	203.35	204.82	206.29	207.76	209.72	211.68
49.5	198	202.95	203.45	203.94	205.43	206.91	208.4	209.88	211.86	213.84

Temperature Conversion for 4 Cylinder Engines

Gauge Reading	Ambient Temp Displacement	100 F	110 F	120 F	130 F	140 F	150 F	160 F	170 F	180 F
50	200	205	205.5	206	207.5	209	210.5	212	214	216
50.5	202	207.05	207.56	208.06	209.58	211.09	212.61	214.12	216.14	218.16
51	204	209.1	209.61	210.12	211.65	213.18	214.71	216.24	218.28	220.32
51.5	206	211.15	211.67	212.18	213.73	215.27	216.82	218.36	220.42	222.48
52	208	213.2	213.72	214.24	215.8	217.36	218.92	220.48	222.56	224.64
52.5	210	215.25	215.78	216.3	217.88	219.45	221.03	222.6	224.7	226.8
53	212	217.3	217.83	218.36	219.95	221.54	223.13	224.72	226.84	228.96
53.5	214	219.35	219.89	220.42	222.03	223.63	225.24	226.84	228.98	231.12
54	216	221.4	221.94	222.48	224.1	225.72	227.34	228.96	231.12	233.28
54.5	218	223.45	224	224.54	226.18	227.81	229.45	231.08	233.26	235.44
55	220	225.5	226.05	226.6	228.25	229.9	231.55	233.2	235.4	237.6
55.5	222	227.55	228.11	228.66	230.33	231.99	233.66	235.32	237.54	239.76
56	224	229.6	230.16	230.72	232.4	234.08	235.76	237.44	239.68	241.92
56.5	226	231.65	232.22	232.78	234.48	236.17	237.87	239.56	241.82	244.08
57	228	233.7	234.27	234.84	236.55	238.26	239.97	241.68	243.96	246.24
57.5	230	235.75	236.33	236.9	238.63	240.35	242.08	243.8	246.1	248.4
58	232	237.8	238.38	238.96	240.7	242.44	244.18	245.92	248.24	250.56
58.5	234	239.85	240.44	241.02	242.78	244.53	246.29	248.04	250.38	252.72
59	236	241.9	242.49	243.08	244.85	246.62	248.39	250.16	252.52	254.88
59.5	238	243.95	244.55	245.14	246.93	248.71	250.5	252.28	254.66	257.04
60	240	246	246.6	247.2	249	250.8	252.6	254.4	256.8	259.2
60.5	242	248.05	248.66	249.26	251.08	252.89	254.71	256.52	258.94	261.36
61	244	250.1	250.71	251.32	253.15	254.98	256.81	258.64	261.08	263.52
61.5	246	252.15	252.77	253.38	255.23	257.07	258.92	260.76	263.22	265.68
62	248	254.2	254.82	255.44	257.3	259.16	261.02	262.88	265.36	267.84
62.5	250	256.25	256.88	257.5	259.38	261.25	263.13	265	267.5	270
63	252	258.3	258.93	259.56	261.45	263.34	265.23	267.12	269.64	272.16
63.5	254	260.35	260.99	261.62	263.53	265.43	267.34	269.24	271.78	274.32
64	256	262.4	263.04	263.68	265.6	267.52	269.44	271.36	273.92	276.48