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# Conversion Tables

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# **CAE SimuFlite**

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## Distance Conversion

### Meters/Feet

Meters	Feet	Meters	Feet
.3048	1	3.2908	
.61	2	6.58	
.91	3	9.87	
1.22	4	13.16	
1.52	5	16.45	
1.83	6	19.74	
2.13	7	23.04	
2.44	8	26.33	
2.74	9	29.62	
3.1	10	32.9	
6.1	20	65.8	
9.1	30	98.7	
12.2	40	131.6	
15.2	50	165.5	
18.3	60	197.4	
21.3	70	230.4	
24.4	80	263.3	
27.4	90	296.2	
31	100	329	
61	200	658	
91	300	987	
122	400	1316	
152	500	1645	
183	600	1974	
213	700	2304	
244	800	2633	
274	900	2962	
305	1000	3291	

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### **Statute Miles/Kilometers/Nautical Miles**

<b>Statute Miles</b>	<b>Kilometers</b>	<b>Nautical Miles</b>
.62137	1	.53996
1.24	2	1.08
1.86	3	1.62
2.49	4	2.16
3.11	5	2.70
3.73	6	3.24
4.35	7	3.78
4.97	8	4.32
5.59	9	4.86
6.21	10	5.40
12.43	20	10.80
18.64	30	16.20
24.85	40	21.60
31.07	50	27.00
37.28	60	32.40
43.50	70	37.80
49.71	80	43.20
55.92	90	48.60
62.14	100	54.00
124.27	200	107.99
186.41	300	161.99
248.55	400	215.98
310.69	500	269.98
372.82	600	323.98
434.96	700	377.97
497.10	800	431.97
559.23	900	485.96
621.37	1000	539.96

## Conversion Tables

### Kilometers/Nautical Miles/Statute Miles

Kilometers	Nautical Miles	Statute Miles
1.8520	1	1.1508
3.70	2	2.30
5.56	3	3.45
7.41	4	4.60
9.26	5	5.75
11.11	6	6.90
12.96	7	8.06
14.82	8	9.21
16.67	9	10.36
18.52	10	11.51
37.04	20	23.02
55.56	30	34.52
74.08	40	46.03
92.60	50	57.54
111.12	60	69.05
129.64	70	80.56
148.16	80	92.06
166.68	90	103.57
185.20	100	115.08
370.40	200	230.16
555.60	300	345.24
740.80	400	460.32
926.00	500	575.40
1111.20	600	690.48
1296.40	700	805.56
1481.60	800	920.64
1666.80	900	1035.72
1852.00	1000	1150.80

## **CAE SimuFlite**

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### **Weight Conversion**

#### **Lbs/Kilograms**

<b>Lbs</b>	<b>Kgs</b>	<b>Lbs</b>	<b>Kgs</b>
2.2046		1	.4536
4.40		2	.91
6.61		3	1.36
8.82		4	1.81
11.02		5	2.27
13.23		6	2.72
15.43		7	3.18
17.64		8	3.63
19.84		9	4.08
22.0		10	4.5
44.1		20	9.1
66.1		30	13.6
88.2		40	18.1
110.2		50	22.7
132.3		60	27.2
154.3		70	31.8
176.4		80	36.3
198.4		90	40.8
220		100	45
441		200	91
661		300	136
882		400	181
1102		500	227
1323		600	272
1543		700	318
1764		800	363
1984		900	408
2205		1000	454

Conversion Tables

**Fuel Weight to Volume Conversion**  
 U.S. Gal/Lbs; Liter/Lbs; Liter/Kg

<b>TURBINE FUEL Volume/Weight</b>											
<i>(up to 5 lbs variation per 100 gallons due to fuel grade and temperature)</i>											
U.S. Gal	Lbs	U.S. Gal	Lbs	Ltr	Lbs	Ltr	Lbs	Ltr	Kg	Ltr	Kg
.15	1	6.7	.57	1	1.8	1.25	1	.8			
.30	2	13.4	1.14	2	3.6	2.50	2	1.6			
.45	3	20.1	1.71	3	5.4	3.75	3	2.4			
.60	4	26.8	2.28	4	7.2	5.00	4	3.2			
.75	5	33.5	2.85	5	9.0	6.25	5	4.0			
.90	6	40.2	3.42	6	10.8	7.50	6	4.8			
1.05	7	46.9	3.99	7	12.6	8.75	7	5.6			
1.20	8	53.6	4.56	8	14.4	10.00	8	6.4			
1.35	9	60.3	5.13	9	16.2	11.25	9	7.2			
1.5	10	67	5.7	10	18	12.5	10	8			
3.0	20	134	11.4	20	36	25.0	20	16			
4.5	30	201	17.1	30	54	37.5	30	24			
6.0	40	268	22.8	40	72	50.0	40	32			
7.5	50	335	28.5	50	90	62.5	50	40			
9.0	60	402	34.2	60	108	75.0	60	48			
10.5	70	469	39.9	70	126	87.5	70	56			
12.0	80	536	45.6	80	144	100.0	80	64			
13.5	90	603	51.3	90	162	113.5	90	72			
15	100	670	57	100	180	125	100	80			
30	200	1340	114	200	360	250	200	160			
45	300	2010	171	300	540	375	300	240			
60	400	2680	228	400	720	500	400	320			
75	500	3350	285	500	900	625	500	400			
90	600	4020	342	600	1080	750	600	480			
105	700	4690	399	700	1260	875	700	560			
120	800	5360	456	800	1440	1000	800	640			
135	900	6030	513	900	1620	1125	900	720			
150	1000	6700	570	1000	1800	1250	1000	800			

## CAE SimuFlite

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### Volume Conversion

Imp Gal/U.S. Gal; U.S. Gal/Ltr; Imp Gal/Ltr

Imp Gal	U.S. Gal	Imp Gal	U.S. Gal	U.S. Gal	Ltr	U.S. Gal	Ltr	Imp Gal	Ltr	Imp Gal	Ltr
.83267	1	1.2010	.26418	1	3.7853	.21997	1	4.5460			
1.67	2	2.40	.52	2	7.57	0.44	2	9.09			
2.49	3	3.60	.79	3	11.35	0.66	3	13.64			
3.33	4	4.80	1.06	4	15.14	0.88	4	18.18			
4.16	5	6.01	1.32	5	18.92	1.10	5	23.73			
5.00	6	7.21	1.59	6	22.71	1.32	6	27.28			
5.83	7	8.41	1.85	7	26.50	1.54	7	31.82			
6.66	8	9.61	2.11	8	30.28	1.76	8	36.37			
7.49	9	10.81	2.38	9	34.07	1.98	9	40.91			
8.3	10	12.0	2.6	10	37.9	2.2	10	45.6			
16.7	20	24.0	5.3	20	75.7	4.4	20	91.0			
24.9	30	36.0	7.9	30	113.5	6.6	30	136.4			
33.3	40	48.0	10.6	40	151.4	8.8	40	181.8			
41.6	50	60.1	13.2	50	189.2	11.0	50	227.3			
50.0	60	72.1	15.9	60	227.1	13.2	60	272.8			
58.3	70	84.1	18.5	70	265.0	15.4	70	318.2			
66.6	80	96.1	21.1	80	302.8	17.6	80	363.7			
74.9	90	108.1	23.8	90	340.7	19.8	90	409.1			
83	100	120	26.4	100	379	22	100	455			
167	200	240	53	200	757	44	200	909			
249	300	360	79	300	1136	66	300	1364			
333	400	480	106	400	1514	88	400	1818			
416	500	601	132	500	1893	110	500	2273			
500	600	721	159	600	2271	132	600	2728			
583	700	841	185	700	2650	154	700	3182			
666	800	961	211	800	3028	176	800	3637			
749	900	1081	238	900	3407	198	900	4091			
833	1000	1201	264	1000	3785	220	1000	4546			



## Temperature Conversion

### Celsius/Fahrenheit

°C	°F	°C	°F	°C	°F	°C	°F	°C	°F
-54	-65	-32	-26	-10	14	12	54	34	93
-53	-63	-31	-24	- 9	16	13	55	35	95
-52	-62	-30	-22	- 8	18	14	57	36	97
-51	-60	-29	-20	- 7	19	15	59	37	99
-50	-58	-28	-18	- 6	21	16	61	38	100
-49	-56	-27	-17	- 5	23	17	63	39	102
-48	-54	-26	-15	- 4	25	18	64	40	104
-47	-53	-25	-13	- 3	27	19	66	41	106
-46	-51	-24	-11	- 2	28	20	68	42	108
-45	-49	-23	- 9	- 1	30	21	70	43	109
-44	-47	-22	- 8	0	32	22	72	44	111
-43	-45	-21	- 6	1	34	23	73	45	113
-42	-44	-20	- 4	2	36	24	75	46	115
-41	-42	-19	- 2	3	37	25	77	47	117
-40	-40	-18	0	4	39	26	79	48	118
-39	-38	-17	1	5	41	27	81	49	120
-38	-36	-16	- 3	6	43	28	82	50	122
-37	-35	-15	- 5	7	45	29	84	51	124
-36	-33	-14	- 7	8	46	30	86	52	126
-35	-31	-13	- 9	9	48	31	88	53	127
-34	-29	-12	-10	10	50	32	90	54	129
-33	-27	-11	-12	11	52	33	91	55	131

## International Standard Atmosphere (ISA)

### Altitude/Temperature

Altitude (ft)	ISA (°C)	Altitude (ft)	ISA (°C)	Altitude (ft)	ISA (°C)	Altitude (ft)	ISA (°C)
S.L.	15.0	11,000	-6.8	22,000	-28.5	33,000	-50.3
1,000	13.0	12,000	-8.8	23,000	-30.5	34,000	-52.3
2,000	11.0	13,000	-10.7	24,000	-32.5	35,000	-54.2
3,000	9.1	14,000	-12.7	25,000	-34.5	36,000	-56.2
4,000	7.1	15,000	-14.7	26,000	-36.5	37,000	-56.5
5,000	5.1	16,000	-16.7	27,000	-38.4	38,000	-56.5
6,000	3.1	17,000	-18.7	28,000	-40.4	39,000	-56.5
7,000	1.1	18,000	-20.6	29,000	-42.4	40,000	-56.5
8,000	-0.8	19,000	-22.6	30,000	-44.4	41,000	-56.5
9,000	-2.8	20,000	-24.6	31,000	-46.3	42,000	-56.5
10,000	-4.8	21,000	-26.6	32,000	-48.3	43,000	-56.5

## Altimeter Setting Conversion

### Hectopascals or Millibars/Inches of Mercury

1 hectopascal = 1 millibar = 0.02953 inch of mercury

Hectopascals or Millibars	0	1	2	3	4	5	6	7	8	9
	<b>Inches of Mercury</b>									
880	25.99	26.02	26.05	26.07	26.10	26.13	26.16	26.19	26.22	26.25
890	26.28	26.31	26.34	26.37	26.40	26.43	26.46	26.49	26.52	26.55
900	26.58	26.61	26.64	26.67	26.70	26.72	26.75	26.78	26.81	26.84
910	26.87	26.90	26.93	26.96	26.99	27.02	27.05	27.08	27.11	27.14
920	27.17	27.20	27.23	27.26	27.29	27.32	27.34	27.37	27.40	27.43
930	27.46	27.49	27.52	27.55	27.58	27.61	27.64	27.67	27.70	27.73
940	27.76	27.79	27.82	27.85	27.88	27.91	27.94	27.96	27.99	28.02
950	28.05	28.08	28.11	28.14	28.17	28.20	28.23	28.26	28.29	28.32
960	28.35	28.38	28.41	28.44	28.47	28.50	28.53	28.56	28.58	28.61
970	28.64	28.67	28.70	28.73	28.76	28.79	28.82	28.85	28.88	28.91
980	28.94	28.97	29.00	29.03	29.06	29.09	29.12	29.15	29.18	29.21
990	29.23	29.26	29.29	29.32	29.35	29.38	29.41	29.44	29.47	29.50
1000	29.53	29.56	29.59	29.62	29.65	29.68	29.71	29.74	29.77	29.80
1010	29.83	29.85	29.88	29.91	29.94	29.97	30.00	30.03	30.06	30.09
1020	30.12	30.15	30.18	30.21	30.24	30.27	30.30	30.33	30.36	30.39
1030	30.42	30.45	30.47	30.50	30.53	30.56	30.59	30.62	30.65	30.68
1040	30.71	30.74	30.77	30.80	30.83	30.86	30.89	30.92	30.95	30.98
1050	31.01	31.04	31.07	31.10	31.12	31.15	31.18	31.21	31.24	31.27

## Cabin Altitude

