

USEFUL INFORMATION

Values in Britain

Million thousand x thousand (10⁶)
 Billion million x million (10¹²)
 Trillion million x billion (10¹⁸)
 Quadrillion million x trillion (10²⁴)

Values in USA

Million thousand x thousand (10⁶)
 Billion thousand x million (10⁹)
 Trillion million x million (10¹²)
 Quadrillion million x billion US (10¹⁶)

CARS:

Speed

mph	30	40	50	60	70	80
km/h	48	64	80	96	113	129

Tyre pressure

lbs per sq in	22	24	26	28	30
kg per sq cm	1.54	1.68	1.82	1.96	2.10

Fuel

gallons	1	2	3	4	5	6
litres	4.55	9.09	13.64	18.18	22.73	27.28

Distance

miles	1	25	50	100	250
kilometres	1.61	40.23	80.54	160.9	402.7

Temperature

Celsius	Fahrenheit
0	32
5	41
10	50
20	68
25	77
30	86
35	95
40	104
45	113
50	122
60	140
80	176
100	212
120	248

Temperature conversions

Celsius to Fahrenheit:
 Multiply by 9/5, then add 32.
 Fahrenheit to Celsius:
 Subtract 32, then multiply by 5/9.

Conversion factors

To convert	multiply by
Inches to millimetres.....	25.4
Millimetres to inches.....	0.039
Inches to centimetres.....	2.54
Centimetres to inches.....	0.39
Feet to metres.....	0.30
Metres to feet.....	3.28
Yards to metres.....	0.91
Metres to yards.....	1.09
Miles to kilometres.....	1.609
Kilometres to miles.....	0.62
Fathoms to metres.....	1.83
Metres to fathoms.....	3.28
Square inches to square millimetres.....	645.16
Square millimetres to square inches.....	0.00155
Square inches to square centimetres.....	6.45
Square centimetres to square inches.....	0.155
Square feet to square metres.....	0.09
Square metres to square feet.....	10.76
Square metres to square yards.....	1.196
Square yards to square metres.....	0.835
Square miles to square kilometres.....	2.59
Square kilometres to square miles.....	0.386
Square kilometres to acres.....	247.1

FILM FOOTAGE TABLE

Running times at 24 fps

Time	35mm	16mm
10 secs	15ft 0fr	6ft 0fr
20 secs	30ft 0fr	12ft 0fr
30 secs	45ft 0fr	18ft 0fr
40 secs	60ft 0fr	24ft 0fr
50 secs	75ft 0fr	30ft 0fr
1 min	90ft 0fr	36ft 0fr
2 mins	180ft 0fr	72ft 0fr
3 mins	270ft 0fr	108ft 0fr
4 mins	360ft 0fr	144ft 0fr
5 mins	450ft 0fr	180ft 0fr
6 mins	540ft 0fr	216ft 0fr
7 mins	630ft 0fr	252ft 0fr
8 mins	720ft 0fr	288ft 0fr
9 mins	810ft 0fr	324ft 0fr
10 mins	900ft 0fr	360ft 0fr
15 mins	1350ft 0fr	540ft 0fr
20 mins	1800ft 0fr	720ft 0fr
25 mins	2250ft 0fr	900ft 0fr
30 mins	2700ft 0fr	1080ft 0fr
60 mins	5400ft 0fr	2160ft 0fr
90 mins	8100ft 0fr	3240ft 0fr
120 mins	10800ft 0fr	4320ft 0fr
180 mins	16200ft 0fr	6480ft 0fr

Running times at 25 fps

Time	35mm	16mm
10 secs	15ft 10fr	6ft 10fr
20 secs	31ft 4fr	12ft 20fr
30 secs	46ft 14fr	18ft 30fr
40 secs	62ft 8fr	25ft 0fr
50 secs	78ft 2fr	31ft 10fr
1 min	93ft 12fr	37ft 20fr
2 mins	187ft 8fr	75ft 0fr
3 mins	281ft 4fr	112ft 20fr
4 mins	375ft 0fr	150ft 0fr
5 mins	468ft 12fr	187ft 20fr
6 mins	562ft 8fr	225ft 0fr
7 mins	656ft 4fr	262ft 20fr
8 mins	750ft 0fr	300ft 0fr
9 mins	843ft 12fr	337ft 20fr
10 mins	937ft 8fr	375ft 0fr
15 mins	1460ft 4fr	562ft 20fr
20 mins	1875ft 0fr	750ft 0fr
25 mins	2343ft 12fr	937ft 20fr
30 mins	2812ft 8fr	1125ft 0fr
60 mins	5625ft 0fr	2250ft 0fr
90 mins	8437ft 8fr	3375ft 0fr
120 mins	11250ft 0fr	4500ft 0fr
180 mins	16875ft 0fr	6750ft 0fr

NB Sound is advanced on 35mm by 20 frames 16 frames 35mm = 1ft
Sound is advanced on 16mm by 26 frames 40 frames 16mm = 1ft

Acres to hectares.....	0.40	Pints to litres.....	0.568
Hectares to acres.....	2.47	Litres to gallons.....	0.22
Grains to grams.....	0.06	Gallons to litres.....	4.546
Grams to grains.....	15.43	US gallons to litres.....	3.787
Ounces to grams.....	28.35	Cubic inches to cubic centimetres.....	16.39
Grams to ounces.....	0.035	Cubic centimetres to cubic inches.....	0.061
Pounds to grams.....	453.6	Cubic feet to cubic metres.....	0.028
Grams to pounds.....	0.0022	Cubic metres to cubic feet.....	35.31
Pounds to kilograms.....	0.45	Cubic yards to cubic metres.....	0.76
Kilograms to pounds.....	2.205	Cubic metres to cubic yards.....	1.308
Tons to kilograms.....	1016	Cubic inches to litres.....	0.016
Kilograms to tons.....	0.00098	Litres to cubic inches.....	61.03
Tons to tonnes.....	1.016		