



1439 Legion Road  
 Burlington, ON  
 L7S 1T6

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**Imperial**

mph	ft / s	km / h	m / sec
1	1.47	1.61	0.45
2	2.93	3.22	0.89
3	4.40	4.83	1.34
4	5.87	6.44	1.79
5	7.33	8.05	2.24
6	8.80	9.66	2.68
7	10.27	11.26	3.13
8	11.73	12.87	3.58
9	13.20	14.48	4.02
10	14.67	16.09	4.47
15	22.0	24.1	6.7
20	29.3	32.3	8.9
25	36.7	40.2	11.2
30	44.0	48.3	13.4

mph	ft / s	km / h	m / sec
35	51.3	56.3	15.6
40	58.7	64.4	17.9
45	66.0	72.4	20.1
50	73.3	80.5	22.4
55	80.7	88.5	24.6
60	88.0	96.6	26.8
65	95.3	104.6	29.1
70	102.7	112.6	31.3
75	110.0	120.7	33.5
80	117.3	128.7	35.8
85	124.7	136.8	38.0
90	132.0	144.8	40.2
95	139.3	152.9	42.5
100	146.7	160.9	44.7

**Examples:**

- 1) The block has been measured at 250 m long and the driver said he was doing 50 mph. From the table above 50 mph = 22.4 m/s. Divide 250 m by 22.4 m/s to find that the vehicle travelled the length of the block in 11.2 seconds.
- 2) The pedestrian would take 3.5 seconds to reach the point of impact from the curb. The car was travelling 60 km/h. From the table on the other side 60 km/h = 16.7 m/s. Multiply 16.7 m/s by 3.5 seconds to find that the car would have been 58.4 m away when the pedestrian started walking from the curb.

**Conversion Factors**

km/h × 0.278 ≈ m/s	m/s × 3.600 = km/h	mph × 1.609 ≈ km/h	ft/s × 1.097 ≈ km/h
km/h × 0.912 ≈ ft/s	m/s × 3.281 ≈ ft/s	mph × 0.447 ≈ m/s	ft/s × 0.305 ≈ m/s
km/h × 0.621 ≈ mph	m/s × 2.236 ≈ mph	mph × 1.467 ≈ ft/s	ft/s × 0.682 ≈ mph

**See Other Side for Metric Conversion**



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**Metric**

km/h	m / s	mph	ft / sec
1	0.28	0.62	0.91
2	0.56	1.24	1.82
3	0.83	1.86	2.73
4	1.11	2.49	3.65
5	1.39	3.11	4.56
6	1.67	3.73	5.47
7	1.94	4.35	6.38
8	2.22	4.97	7.29
9	2.50	5.59	8.20
10	2.78	6.2	9.1
15	4.2	9.3	13.7
20	5.6	12.4	18.2
25	6.9	15.5	22.8
30	8.3	18.6	27.3
35	9.7	21.7	31.9
40	11.1	24.9	36.5
45	12.5	28.0	41.0
50	13.9	31.1	45.6

km/h	m / s	mph	ft / s
55	15.3	34.2	50.1
60	16.7	37.3	54.7
65	18.1	40.4	59.2
70	19.4	43.5	63.8
75	20.8	46.6	68.4
80	22.2	49.7	72.9
85	23.6	52.8	77.5
90	25.0	55.9	82.0
95	26.4	59.0	86.6
100	27.8	62.1	91.1
105	29.2	65.2	95.7
110	30.6	68.4	100.2
115	31.9	71.5	104.8
120	33.3	74.6	109.4
125	34.7	77.7	113.9
130	36.1	80.8	118.5
135	37.5	83.9	123.0
140	38.9	87.0	127.6

**Conversion Factors**

km/h × 0.278 ≈ m/s	m/s × 3.600 = km/h	mph × 1.609 ≈ km/h	ft/s × 1.097 ≈ km/h
km/h × 0.912 ≈ ft/s	m/s × 3.281 ≈ ft/s	mph × 0.447 ≈ m/s	ft/s × 0.305 ≈ m/s
km/h × 0.621 ≈ mph	m/s × 2.236 ≈ mph	mph × 1.467 ≈ ft/s	ft/s × 0.682 ≈ mph

**See Other Side for Examples**

**See Other Side for Imperial Conversion**