

Cadence

	High gear			2nd High			Low gear	
RPM	MPH	KPH	*	MPH	KPH	*	MPH	KPH
50	16.2	26.2	-	14.3	23.0	-	3.1	5.0
60	19.5	31.4	-	17.2	27.6	-	3.7	6.0
70	22.7	36.6	-	20.0	32.2	-	4.3	7.0
80	26.0	41.8	-	22.9	36.8	-	4.9	8.0
90	29.2	47.1	-	25.7	41.4	-	5.6	8.9
100	32.5	52.3	-	28.6	46.0	-	6.2	9.9
110	35.7	57.5	-	31.5	50.6	-	6.8	10.9
120	39.0	62.8	-	34.3	55.2	-	7.4	11.9

Input Data

Item	Data
Gearset #1	48
Gearset #2	16
Hub Ratios:	14
Wheel diam:	24.813 in
Combos:	14

Hub Ratios

#	Ratio
1	0.279
2	0.317
3	0.3602
4	0.4092
5	0.465
6	0.5283
7	0.6003
8	0.6821
9	0.775
10	0.8805
11	1
12	1.137
13	1.292
14	1.468

Gear Metrics

Set	**	**	**	gear-	ft	revs/	Seq'l
#	G-1	G-2	hub	in	/rev	mile	% Δ
1	48	16	1	20.8	5.44	971.1	--
2	48	16	2	23.6	6.18	854.7	13.6
3	48	16	3	26.8	7.02	752.2	13.6
4	48	16	4	30.5	7.98	662	13.6
5	48	16	5	34.6	9.06	582.7	13.6
6	48	16	6	39.3	10.3	512.8	13.6
7	48	16	7	44.7	11.7	451.3	13.6
8	48	16	8	50.8	13.3	397.2	13.6
9	48	16	9	57.7	15.1	349.6	13.6
10	48	16	10	65.5	17.2	307.7	13.6
11	48	16	11	74.5	19.5	270.8	13.6
12	48	16	12	84.6	22.2	238.3	13.6
13	48	16	13	96.1	25.2	209.8	13.6
14	48	16	14	109	28.6	184.6	13.6

Elapsed clocks: 0