

Cadence

	High gear			2nd High			Low gear	
RPM	MPH	KPH	*	MPH	KPH	*	MPH	KPH
50	16.6	26.8	-	14.1	22.7	-	3.3	5.4
60	20.0	32.1	-	16.9	27.2	-	4.0	6.4
70	23.3	37.5	-	19.7	31.7	-	4.7	7.5
80	26.6	42.8	-	22.5	36.2	-	5.3	8.6
90	29.9	48.2	-	25.3	40.8	-	6.0	9.7
100	33.3	53.5	-	28.2	45.3	-	6.7	10.7
110	36.6	58.9	-	31.0	49.8	-	7.3	11.8
120	39.9	64.3	-	33.8	54.4	-	8.0	12.9

Input Data

Item	Data
Gearset #1	48-38-28
Gearset #2	11-13-15-18-21-24-28-32
Wheel diam:	25.628 in
Combos:	24

Split Table
(Tooth Count Tooth Change % Overall Ratio Change)

Item	Splits (higher gears on left)
Gearset #1	48 <26% 10 21%> 38 <36% 10 26%> 28
Gearset #2	11 <18% 2 15%> 13 <15% 2 13%> 15 <20% 3 17%> 18 <17% 3 14%> 21 <14% 3 13%> 24 <17% 4 14%> 28 <14% 4 13%> 32

Gear Metrics

Set	**	**	gear-	ft	revs/	Seq'l	G-1	Ring
#	G-1	G-2	in	/rev	mile	% Δ	ChPsn	% Δ
1	28	32	22.4	5.87	899.4	--	*--	--
2	28	28	25.6	6.71	787	14.3	*--	14.3
3	28	24	29.9	7.83	674.5	16.7	*--	16.7
4	38	32	30.4	7.97	662.7	1.8	*--	--
5	28	21	34.2	8.95	590.2	12.3	*--	14.3
6	38	28	34.8	9.11	579.9	1.8	*--	14.3
7	48	32	38.4	10.1	524.6	10.5	--*	--
8	28	18	39.9	10.4	505.9	3.7	*--	16.7
9	38	24	40.6	10.6	497	1.8	*--	16.7
10	48	28	43.9	11.5	459.1	8.3	--*	14.3
11	38	21	46.4	12.1	434.9	5.6	*--	14.3
12	28	15	47.8	12.5	421.6	3.2	*--	20
13	48	24	51.3	13.4	393.5	7.1	--*	16.7
14	38	18	54.1	14.2	372.8	5.6	*--	16.7
15	28	13	55.2	14.5	365.4	2.0	*--	15.4
16	48	21	58.6	15.3	344.3	6.1	--*	14.3
17	38	15	64.9	17	310.6	10.8	*--	20
18	28	11	65.2	17.1	309.2	0.5	*--	18.2
19	48	18	68.3	17.9	295.1	4.8	--*	16.7
20	38	13	74.9	19.6	269.2	9.6	*--	15.4
21	48	15	82	21.5	245.9	9.5	--*	20
22	38	11	88.5	23.2	227.8	8.0	*--	18.2
23	48	13	94.6	24.8	213.1	6.9	--*	15.4
24	48	11	112	29.3	180.3	18.2	--*	18.2

Elapsed clocks: 0