

## Motorcycle Gearing Sheet

**Motorcycle Gearing Worksheet – 17T Front Sprocket**

	Values (Enter)	Total Ratio	Minimum Speed	Maximum Speed	Speed at Max Power	Down Shift	Up Shift	Speed Range	RPM Drop at Up Shift	% RPM Drop at Up Shift
<b>Primary Drive Ratio</b>	1.740		(KPH)	(KPH)	(KPH)	(KPH)	(KPH)	(KPH)	(RPM)	(% RPM)
1st Gear Ratio	2.730	12.015	0	74	69	N/A	28	28	0	0.0
2nd Gear Ratio	1.950	8.582	13	103	96	33	39	5	857	28.6
3rd Gear Ratio	1.550	6.822	16	129	121	42	49	6	615	20.5
4th Gear Ratio	1.290	5.678	19	156	146	51	58	8	503	16.8
5th Gear Ratio	1.070	4.709	23	188	176	61	70	9	512	17.1
6th Gear Ratio	0.000	N/A	#VALUE!	#VALUE!	#VALUE!	#VALUE!	N/A	#VALUE!	#VALUE!	#VALUE!
Front Sprocket (Teeth)	17	2.529								
Rear Sprocket (Teeth)	43									
Front Wheel Rim Size (Inches)	17		Minimum Speed	Maximum Speed	Speed at Max Power	Down Shift	Up Shift	Speed Range	RPM Drop at Up Shift	% RPM Drop at Up Shift
Tyre Width (MM)	110	<b>Gear</b>	(MPH)	(MPH)	(MPH)	(MPH)	(MPH)	(MPH)	(RPM)	(% RPM)
Tyre Depth (%)	70	1st Gear	0	46	43	N/A	17	17	0	0.0
Engine Minimum RPM	1,000	2nd Gear	8	64	60	21	24	3	857	28.6
Engine Maximum RPM	8,000	3rd Gear	10	81	76	26	30	4	615	20.5
Change Down RPM	2,600	4th Gear	12	97	91	32	36	5	503	16.8
Change Up RPM	3,000	5th Gear	15	117	110	38	44	6	512	17.1
Maximum Power RPM	7,500	6th Gear	#VALUE!	#VALUE!	#VALUE!	#VALUE!	N/A	#VALUE!	#VALUE!	#VALUE!

(Enter ALL figures in the Pink column from the owners handbook. Example tyre size shown above is 190/50-17. [p\_kind@hotmail.com 3/00])

