



SCHOOLBOY and JUVENILE ROAD GEAR RATIO'S

This chart is a guide only. It is advisable to do a "roll out" measurement, as tyre pressures could give a different result to undermentioned ratios.

Formulated using a factor of 211mm = 25c tyre

	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
38	7.29	6.68	6.17	5.73	5.35	5.01	4.72	4.45	4.22	4.01	3.82	3.64	3.49	3.34	3.21	3.08	2.97
39	7.48	6.86	6.33	5.88	5.49	5.14	4.84	4.57	4.33	4.11	3.92	3.74	3.58	3.43	3.29	3.17	3.05
40	7.67	7.03	6.49	6.03	5.63	5.28	4.96	4.69	4.44	4.22	4.02	3.84	3.67	3.52	3.38	3.25	3.13
41	7.86	7.21	6.65	6.18	5.77	5.41	5.09	4.81	4.55	4.33	4.12	3.93	3.76	3.60	3.46	3.33	3.20
42	8.06	7.39	6.82	6.33	5.91	5.54	5.21	4.92	4.66	4.43	4.22	4.03	3.85	3.69	3.54	3.41	3.28
50	9.59	8.79	8.12	7.54	7.03	6.59	6.21	5.86	5.55	5.28	5.02	4.80	4.59	4.40	4.22	4.06	3.91
51	9.78	8.97	8.28	7.69	7.17	6.73	6.33	5.98	5.66	5.38	5.12	4.89	4.68	4.48	4.30	4.14	3.99
52	9.97	9.14	8.44	7.84	7.31	6.86	6.45	6.10	5.77	5.49	5.22	4.99	4.77	4.57	4.39	4.22	4.06
53	10.17	9.32	8.60	7.99	7.46	6.99	6.58	6.21	5.89	5.59	5.33	5.08	4.86	4.66	4.47	4.30	4.14
54	10.36	9.50	8.76	8.14	7.60	7.12	6.70	6.33	6.00	5.70	5.43	5.18	4.95	4.75	4.56	4.38	4.22

Formulated using a factor of 210mm = 23c tyre

	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
38	7.25	6.65	6.14	5.70	5.32	4.99	4.69	4.43	4.20	3.99	3.80	3.63	3.47	3.33	3.19	3.07	2.96
39	7.45	6.83	6.30	5.85	5.46	5.12	4.82	4.55	4.31	4.10	3.90	3.72	3.56	3.41	3.28	3.15	3.03
40	7.64	7.00	6.46	6.00	5.60	5.25	4.94	4.67	4.42	4.20	4.00	3.82	3.65	3.50	3.36	3.23	3.11
41	7.83	7.18	6.62	6.15	5.74	5.38	5.06	4.78	4.53	4.31	4.10	3.91	3.74	3.59	3.44	3.31	3.19
42	8.02	7.35	6.78	6.30	5.88	5.51	5.19	4.90	4.64	4.41	4.20	4.01	3.83	3.68	3.53	3.39	3.27
50	9.55	8.75	8.08	7.50	7.00	6.56	6.18	5.83	5.53	5.25	5.00	4.77	4.57	4.38	4.20	4.04	3.89
51	9.74	8.93	8.24	7.65	7.14	6.69	6.30	5.95	5.64	5.36	5.10	4.87	4.66	4.46	4.28	4.12	3.97
52	9.93	9.10	8.40	7.80	7.28	6.83	6.42	6.07	5.75	5.46	5.20	4.96	4.75	4.55	4.37	4.20	4.04
53	10.12	9.28	8.56	7.95	7.42	6.96	6.55	6.18	5.86	5.57	5.30	5.06	4.84	4.64	4.45	4.28	4.12
54	10.31	9.45	8.72	8.10	7.56	7.09	6.67	6.30	5.97	5.67	5.40	5.15	4.93	4.73	4.54	4.36	4.20

Formulated using a factor of 209mm = 20c tyre

	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
38	7.22	6.62	6.11	5.67	5.29	4.96	4.67	4.41	4.18	3.97	3.78	3.61	3.45	3.31	3.18	3.05	2.94
39	7.41	6.79	6.27	5.82	5.43	5.09	4.79	4.53	4.29	4.08	3.88	3.71	3.54	3.40	3.26	3.14	3.02
40	7.60	6.97	6.43	5.97	5.57	5.23	4.92	4.64	4.40	4.18	3.98	3.80	3.63	3.48	3.34	3.22	3.10
41	7.79	7.14	6.59	6.12	5.71	5.36	5.04	4.76	4.51	4.28	4.08	3.90	3.73	3.57	3.43	3.30	3.17
42	7.98	7.32	6.75	6.27	5.85	5.49	5.16	4.88	4.62	4.39	4.18	3.99	3.82	3.66	3.51	3.38	3.25
50	9.50	8.71	8.04	7.46	6.97	6.53	6.15	5.81	5.50	5.23	4.98	4.75	4.54	4.35	4.18	4.02	3.87
51	9.69	8.88	8.20	7.61	7.11	6.66	6.27	5.92	5.61	5.33	5.08	4.85	4.63	4.44	4.26	4.10	3.95
52	9.88	9.06	8.36	7.76	7.25	6.79	6.39	6.04	5.72	5.43	5.18	4.94	4.73	4.53	4.35	4.18	4.03
53	10.07	9.23	8.52	7.91	7.38	6.92	6.52	6.15	5.83	5.54	5.27	5.04	4.82	4.62	4.43	4.26	4.10
54	10.26	9.41	8.68	8.06	7.52	7.05	6.64	6.27	5.94	5.64	5.37	5.13	4.91	4.70	4.51	4.34	4.18

NB.

The mentioned age limits can NOT use a front blade larger than 52.

	Based on 14/25 9spd cassette
	Limits based on standard cassettes
	Standard Chainwheel configuration

Rear cassette ratios are not a problem so long as the ratios fall within the specifications mentioned.

Maximum Gear Ratio Limits Examples

Under 10/12	6.227m	41 x 14
Under 14	6.626m	41 x 13
Under 16	6.897m	42 x 13
Junior Ladies	7.400m	50 x 14
Junior Men	7.930m	53 x 14