MIDBIKE SPROCKET SPEED CHART

STEP 1 - FIND YOUR CURRENT SPROCKET COMBO (in the first two columns)
STEP 2 - FIND YOUR NEAREST CURRENT SPEED IN THE SAME ROW AND NOTE THE COLUMN
STEP 3 - YOUR EXPECTED SPEED WITH EACH DIFFERENT SPROCKET COMBO IS IN THE SAME COLUMN

example: assuming your current sprockets are 38/14 and current speed is 42 - your expected speed with 38/15 sprocket combo is 45mph and with 33/15 sprocket it is 51.82mph

note - these calculations do not take into account horsepower requirements and wind resistance

note - your stock speedometer is probably wrong - have a motorcycle follow you or get a gps and go at least 2 miles to get an accurate top speed calculation

38/14 sprocket combination is used as a base

Wheel Sprocket	Engine Sprocket	EXPECTED SPEED														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
44	14	30.23	31.09	31.95	32.82	33.68	34.55	35.41	36.27	37.14	38.00	38.86	39.73	40.59	41.45	42.32	43.18
44	15	32.39	33.31	34.24	35.16	36.09	37.01	37.94	38.86	39.79	40.71	41.64	42.56	43.49	44.42	45.34	46.27
44	16	34.55	35.53	36.52	37.51	38.49	39.48	40.47	41.45	42.44	43.43	44.42	45.40	46.39	47.38	48.36	49.35
38	14	35.00	36.00	37.00	38.00	39.00	40.00	41.00	42.00	43.00	44.00	45.00	46.00	47.00	48.00	49.00	50.00
44	17	36.70	37.75	38.80	39.85	40.90	41.95	43.00	44.05	45.09	46.14	47.19	48.24	49.29	50.34	51.39	52.44
38	15	37.50	38.57	39.64	40.71	41.79	42.86	43.93	45.00	46.07	47.14	48.21	49.29	50.36	51.43	52.50	53.57
44	18	38.86	39.97	41.08	42.19	43.31	44.42	45.53	46.64	47.75	48.86	49.97	51.08	52.19	53.30	54.41	55.52
38	16	40.00	41.14	42.29	43.43	44.57	45.71	46.86	48.00	49.14	50.29	51.43	52.57	53.71	54.86	56.00	57.14
33	14	40.30	41.45	42.61	43.76	44.91	46.06	47.21	48.36	49.52	50.67	51.82	52.97	54.12	55.27	56.42	57.58
38	17	42.50	43.71	44.93	46.14	47.36	48.57	49.79	51.00	52.21	53.43	54.64	55.86	57.07	58.29	59.50	60.71
33	15	43.18	44.42	45.65	46.88	48.12	49.35	50.58	51.82	53.05	54.29	55.52	56.75	57.99	59.22	60.45	61.69
38	18	45.00	46.29	47.57	48.86	50.14	51.43	52.71	54.00	55.29	56.57	57.86	59.14	60.43	61.71	63.00	64.29
33	16	46.06	47.38	48.69	50.01	51.32	52.64	53.96	55.27	56.59	57.90	59.22	60.54	61.85	63.17	64.48	65.80
28	14	47.50	48.86	50.21	51.57	52.93	54.29	55.64	57.00	58.36	59.71	61.07	62.43	63.79	65.14	66.50	67.86
33	17	48.94	50.34	51.74	53.13	54.53	55.93	57.33	58.73	60.13	61.52	62.92	64.32	65.72	67.12	68.52	69.91
28	15	50.89	52.35	53.80	55.26	56.71	58.16	59.62	61.07	62.53	63.98	65.43	66.89	68.34	69.80	71.25	72.70
33	18	51.82	53.30	54.78	56.26	57.74	59.22	60.70	62.18	63.66	65.14	66.62	68.10	69.58	71.06	72.55	74.03
28	16	54.29	55.84	57.39	58.94	60.49	62.04	63.59	65.14	66.69	68.24	69.80	71.35	72.90	74.45	76.00	77.55
28	17	57.68	59.33	60.97	62.62	64.27	65.92	67.57	69.21	70.86	72.51	74.16	75.81	77.45	79.10	80.75	82.40
22	14	60.45	62.18	63.91	65.64	67.36	69.09	70.82	72.55	74.27	76.00	77.73	79.45	81.18	82.91	84.64	86.36
28	18	61.07	62.82	64.56	66.31	68.05	69.80	71.54	73.29	75.03	76.78	78.52	80.27	82.01	83.76	85.50	87.24
22	15	64.77	66.62	68.47	70.32	72.18	74.03	75.88	77.73	79.58	81.43	83.28	85.13	86.98	88.83	90.68	92.53
22	16	69.09	71.06	73.04	75.01	76.99	78.96	80.94	82.91	84.88	86.86	88.83	90.81	92.78	94.75	96.73	98.70
22	17	73.41	75.51	77.60	79.70	81.80	83.90	85.99	88.09	90.19	92.29	94.38	96.48	98.58	100.68	102.77	104.87
22	18	77.73	79.95	82.17	84.39	86.61	88.83	91.05	93.27	95.49	97.71	99.94	102.16	104.38	106.60	108.82	111.04