

Possible Study Plan – 20 hours per 5-10% of test (\approx 200 – 400 hrs)

Remember that many of you are learning this material for the first time.

IT TAKES TIME AND PRACTICE!

Subject	% Test	Hours	Hr/Wk	Weeks
Number Theory: lcm, gcd, odd/even, sequences, consecutive integers, prime numbers, remainder theory, repeating decimals, fractions, sets, union, intersection, disjoint, mutually exclusive	20	60	20	3
Algebra: Exponents, simultaneous equations, simplification/factoring, binomial factors, quadratic equation, absolute value, inequalities	15	60	20	3
Percents: percent change before/after, old/new, increase/decrease, $(1+p)$, $(1-p)$, p not p , avg percent, interest calculations, percents $> 100\%$, discounts	15	20	20	1
Geometry: intersecting lines and angles, triangles, right triangles, special triangles, Pythagorean Theorem and triples, polygons, circles, perimeters, areas, volumes	10	20	20	1
Motion Problems: matching distance/time/speed, working with average speeds	10	20	20	1
Money Problems: profit = revenue-expense plus variations	10	20	20	1
Fraction Problems	5	20	20	1
Statistics: frequency distribution, mean, mode, median, weighted averages, standard deviation, probability, independent events, conditional probabilities, counting, combinations, permutations, factorials	5	40	20	2
Age/mixture/work problems	5	20	20	1
Miscellaneous Analytic geometry Data interpretation Units conversion Tiered compensation Cross tabulations Interest calculations Ratios and proportions	5	40	20	2
Data Sufficiency	(25-33)	40	20	2
Math shortcuts ESSENTIAL to maximize score	ALL	20	1	1
Total	100	380		19