

| Course Name | Focus Area | Covered Topics | Learning Time |
|----------------------------|---------------------------------------|---|-------------------------------------|
| Get Ready | Prepare for success with the course | Course Introduction Video, Prerequisite Check, Who Should Take This Course, Help Us Know More about You, How to Use This Course | 10 - 20 mins |
| Day 1 Challenge | Geometry | Areas of Plane Figures; Congruent Triangles, Pythagorean Theorem | 40 - 50 min |
| Day 2 Challenge | Algebra, Geometry, Number Theory | Area and Volume of 3-D solids; Prime Numbers; Prime Factorization; Systems of Equations; Transforming Equations; Square Roots | 35 - 50 min |
| Day 3 Challenge | Combinatorics | Permutations; Exclusion; Complementary Counting | 30 - 45 min |
| Day 4 Challenge | Probability | Counting; Permutations; Symmetry | 35 - 50 min |
| Week 1 Challenge | Reinforce Day 1 to Day 4's Learning | 40-minute-20 practice problem assessment of Day 1 to Day 4 materials | 60 minutes (up to 4 tries in total) |
| Day 5 Challenge | Logic, Algebra, Basic Statistics | Equations in One Variable; Arithmetic Series; the Substitution Method; Average; Word Problems | 45 - 55 mins |
| Day 6 Challenge | Geometry | Volume; Similar Figures; Ratio and Proportion; Proportional Lengths | 35 - 50 mins |
| Day 7 Challenge | Number Theory | Least Common Multiple; Prime Numbers; Unique Factorization | 35 - 45 mins |
| Day 8 Challenge | Combinatorics | Combinations, Binomial Coefficient Identities; The Multiplication Principle | 40 - 55 mins |
| Week 2 Challenge | Reinforce Day 5 to Day 8's Learning | 40-minute-20 practice problem assessment of Day 5 to Day 8 materials | 60 minutes (up to 4 tries in total) |
| Day 9 Challenge | Algebra | Rate-Time-Distance Problems; Problem-Solving Using Diagrams | 45 - 60 mins |
| Day 10 Challenge | Geometry | Circumference of a Circle; Irrational Numbers; The Distributive Property; Using Equations to Solve Problems | 40 - 55 mins |
| Day 11 Challenge | Probability | Percents with Applications; Decimals; Conditional Probability; Sets; Total Probability; Equations in One Variable | 42 - 57 mins |
| Day 12 Challenge | Number Theory | Word Problems; Parity; Number of Factors; Prime Factorization | 54 - 68 mins |
| Week 3 Challenge | Reinforce Day 9 to Day 12's Learning | 40-minute-20 practice problem assessment of Day 1 to Day 4 materials | 60 minutes (up to 4 tries in total) |
| Day 13 Challenge | Geometry | Angles of a Polygon; Sum of Angles of a Polygon; Properties of Parallel Lines; Interior and Exterior Angles; | 35 - 50 mins |
| Day 14 Challenge | Algebra | Reciprocals; Sequences and Series; Factoring Integers; Least Common Denominator | 35 - 45 mins |
| Day 15 Challenge | Combinatorics | Counting; Permutations; Problem-Solving Using Diagrams; Linear Recurrence Relations; Fibonacci Sequences | 52 - 60 mins |
| Day 16 Challenge | Number Theory | Integers Mod M; Square numbers; Number Sense Techniques; Variables | 35 - 50 mins |
| Week 4 Challenge | Reinforce Day 12 to Day 16's Learning | 40-minute-20 practice problem assessment of Day 1 to Day 4 materials | 60 minutes (up to 4 tries in total) |
| Total Learning Time | | | 15hr ~ 18 hr |