|  |  |  |
| --- | --- | --- |
| **QUARTER 1** | | |
| **UNIT 1** |  |  |
| **Chapter 1** |  | **12** |
| 1-2 | Points, Lines, and Planes | 2 |
| 1-3 | Measuring Segments | 2 |
| 1-4 | Measuring Angles | 2 |
| 1-5 | Angle Pairs | 2 |
| 1-6 | Basic Constructions | 2 |
|  | Review & Assessment | 2 |
|  |  |  |
| **UNIT 2** |  |  |
| **Chapter 9** | (basics only) | **5** |
| 9-1 | Translations | ½ |
| 9-2 | Reflections | ½ |
| 9-3 | Rotations | ½ |
| 9-6 | Dilations | ½ |
| Concept Byte 9-3 | Symmetry | 1 |
|  | Review & Assessment | 2 |
|  |  |  |
| **UNIT 3** |  |  |
| **Chapter 2** |  | **11** |
| 2-2 | Conditional Statements | 1 |
| 2-3 | Biconditionals & Definitions | 1 |
|  | Review & Assessment | 2 |
| 2-5 | Proof Intro (Properties of =/ & Algebraic Proofs) | 4 |
| 2-6 | Proving Angles Congruent | 1 |
|  | Review & Assessment | 2 |
|  |  |  |
| **Chapter 3** |  | **12** |
| 3-1 | Lines & Angles | 1 |
| 3-2 | Properties of Parallel Lines | 2 |
| 3-3 | Proving Lines Parallel | 2 |
|  | Review & Assessment | 2 |
| 3-5 | Parallel Lines & Triangles | 2 |
| 3-6 | Constructing Parallel & Perpendicular Lines | 1 |
|  | Review & Assessment | 2 |
|  |  |  |
| **QUARTER 2** | | |
| **Chapter 4** |  | **12** |
| 4-1 | Define Congruent Figures | 1 |
| 4-2 | Triangle Congruence by SSS & SAS | 1 |
| 4-3 | Triangle Congruence by ASA & AAS | 2 |
| 4-6 | Congruence in Right Triangles | 1 |
|  | Review & Assessment | 2 |
| 4-4 | Using Corresponding Parts of Congruent Triangles (with proofs) | 2 |
| 4-5 | Isosceles & Equilateral Triangles | 1 |
|  | Review & Assessment | 2 |
|  |  |  |
| **Chapter 5** |  | **9** |
| 5-1 | Midsegments of Triangles | 2 |
| 5-2 | Perpendicular & Angle Bisectors | 2 |
| 5-3 | Bisectors in Triangles | 1 |
| 5-4 | Medians & Altitudes | 1 |
| 5-6 | Inequalities in One Triangle | 1 |
|  | Review & Assessment | 2 |
|  |  |  |
| **Chapter 6** |  | **13** |
| 6-1 | The Polygon-Angle Sum Theorems | 2 |
| 6-2 | Properties of Parallelograms | 2 |
| 6-3 | Proving that a Quadrilateral is a Parallelogram | 1 |
|  | Review & Assessment | 2 |
| 6-4 | Properties of Rhombuses, Rectangles, & Squares | 1 |
| 6-5 | Conditions for Rhombuses, Rectangles, & Squares | 1 |
| 6-6 | Trapezoids & Kites | 2 |
|  | Review & Assessment | 2 |
| **MIDTERM EXAM** | | |
| **QUARTER 3** | | |
| **UNIT 4** |  | **9** |
| 1-7 | Midpoint/Distance in Coordinate Plane | 1 |
| 3-7 | Equations of Lines in Coordinate Plane | 2 |
| 3-8 | Slopes of Parallel & Perpendicular Lines | 1 |
| 6-7 | Polygons in Coordinate Plane | 3 |
|  | Review & Assessment | 2 |
|  |  |  |
| **UNIT 5** |  |  |
| **Chapter 7** |  | **10** |
| 7-1 | Ratios and Proportions | 2 |
| 7-2 | Similar Polygons | 2 |
| 7-3 | Proving Triangles Similar | 3 |
| 7-5 | Proportions in Triangles | 1 |
|  | Review & Assessment | 2 |
|  |  |  |
| **UNIT 6** |  |  |
| **Chapter 8** |  | **16** |
| 8-1 | The Pythagorean Theorem & Its Converse | 2 |
| 8-2 | Special Right Triangles | 2 |
|  | Review & Assessment | 2 |
| 8-3 | Trigonometry | 4 |
| Concept Byte  8-4 | Pg. 515 – Use an inclinometer with trig. ratios to make indirect measurements | 2 |
| 8-4 | Angles of Elevation & Depression | 2 |
|  | Review & Assessment | 2 |
|  |  |  |
| **QUARTER 4** | | |
| **UNIT 6** |  |  |
| **Chapter 10** |  | **9** |
| 10-1 | Areas of Parallelograms & Triangles | 2 |
| 10-2 | Area of Trapezoids, Rhombuses, & Kites | 2 |
| 10-3 | Areas of Regular Polygons | 1 |
| 10-6/10-7 | Circle Circumference & Area | 1 |
| 10-4 | Perimeters & Area of Similar Figures | 1 |
|  | Review & Assessment | 2 |
|  |  |  |
| **UNIT 7** |  |  |
| **Chapter 11** |  | **13** |
| 1-1 | Visualizing Geometry (Nets) | ½ |
| 11-1 | Space Figures & Cross Sections | ½ |
| 11-2 | Surface Area of Prisms & Cylinders | 2 |
| 11-4 | Volume of Prisms & Cylinders | 1 |
|  | Review & Assessment | 2 |
| 11-3 | Surface Area of Pyramids & Cones | 1 |
| 11-5 | Volume of Pyramids and Cones | 1 |
| 11-6 | Surface Area & Volume of Spheres | 1 |
| 11-7 | Areas and Volumes of Similar Solids | 1 |
|  | Application, Review, & Assessment | 3 |
|  |  |  |
| **UNIT 8** |  | **9** |
| 10-6 | Circles and Arcs | 1 |
| 10-7 | Areas of Circles & Sectors | 1 |
| **Chapter 12** |  |  |
| 12-1 | Tangent Lines | 2 |
| 12-3 | Inscribed Angles | 1 |
| 12-5 | Circles in the Coordinate Plane | 2 |
|  | Review & Assessment | 2 |
|  |  |  |
| **FINAL EXAM** | | |