

| Grade: 7 Benchmark #: 7.3.1.K3a-g (Angles/Properties of triangles & quadrilaterals) | | Mastery Check #5 |
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| <u>State Language:</u> Identifies angle and side properties of triangles and quadrilaterals: <ol style="list-style-type: none"> sum of the interior angles of any triangle is 180° sum of the interior angles of any quadrilateral is 360° parallelograms have opposite sides that are parallel and congruent rectangles have angles 90°, opposite sides are congruent rhombi have all sides the same length, opposite angles are congruent squares have angles of 90°, all sides congruent trapezoids have one pair of opposite sides parallel and the other pair of opposite sides are not parallel | <u>Student Friendly Language:</u> Students will know and understand the angles and properties of triangles and quadrilaterals | |
| <u>Concept (Students will know):</u> <ol style="list-style-type: none"> sum of the interior angles of any triangle is 180° sum of the interior angles of any quadrilateral is 360° parallelograms have opposite sides that are parallel and congruent rectangles have angles 90°, opposite sides are congruent rhombi have all sides the same length, opposite angles are congruent squares have angles of 90°, all sides congruent trapezoids have one pair of opposite sides parallel and the other pair of opposite sides are not parallel | <u>Skills (Students will do):</u> <ul style="list-style-type: none"> Memorize the properties and angles of triangles and quadrilateral Distinguish between each of the shapes and their individual properties Be able to name the shape, given the property/angles of it | <u>DOK Level:</u> 2 |
| <u>Big Ideas:</u> Differentiate between all properties/angles of all quadrilateral and triangles. | | |
| <u>Essential Questions:</u> <ol style="list-style-type: none"> Which shape has the sum of the measures of the interior angles always equals 180°? Which shape has the sum of the measures of the interior angles always equals 360°? Which shape has exactly one pair of parallel sides? Which two quadrilaterals have all angles 90°? Which shape has all sides congruent (besides the square)? Which shape has opposite sides that are parallel and congruent, but does not have to have 90° angles. | | |
| <u>Core Materials</u> Text Book | <u>Supplemental Materials:</u> Resource workbooks Teacher generated Technology (Study Island/BA) | |
| <u>Teaching Strategies:</u> Foldable (graphic organizer) Memorization techniques/note cards Cut out activity-matching shapes to properties | | |
| <u>Mastery Check Items:</u> | | |