2023 - 2024 Mr. Nihart

Monday 03/11/2024	Tuesday 03/12/2024	Wednesday 03/13/2024	Thursday 03/14/2024	Friday 03/15/2024
7th Grade7.2 - Complementary and Supplementary Angles (Sub)Learning TargetStudents will be able to write and solve algebraic equations to help then find missing complementary, and vertical angles.Standards7.G.5Use facts about supplementary, vertical, and adjacent angles in a multi- step problem to write and solve simple equations for an unknown angle in a figure.Instruction Warm Up: #97 Vocab: complementary, angles - watch 7.2 Extra Practice EDPuzzle Video 	7th GradeEscape Room (Sub)Learning TargetStudents will be able to writeand solve algebraic equationsto help then find missingcomplementary,supplementary, and verticalangles.Standards7.G.5Use facts aboutsupplementary, vertical, andadjacent angles in a multi-step problem to write andsolve simple equations for anunknown angle in a figure.7.G.2Draw (freehand, withruler, and/or with technology)geometric shapes with givenconditions. Focus onconstructing triangles fromthree measures of angles orsides, noticing when theconditions determine aunique triangle, more than	7th Grade7.3 - TrianglesLearning TargetStudents will discover the relationship between the interior angles of a triangle.Standards7.G.1Solve problems involving scale drawings of geometric figures, including computing actual lengths and areas from a scale drawing and reproducing a scale drawing at a different scale.InstructionWarm Up: #99 Vocab: acute, obtuse, right, equilateral, scalene, and isosceles triangles - Triangle Inquiry Lab - discover the different characteristics between a triangle's angles and side lengthsAssessment Triangle Inquiry Lab	7th Grade7.3 - TrianglesStandards7.G.2 Draw (freehand, with ruler and protractor, and with technology) geometric shapes with given conditions. Focus on constructing triangles from three measures of angles or sides, noticing when the conditions determine a unique triangle, more than one triangle, or no triangle.Instruction Warm Up: #100 - Talk About It Thursday Vocab: acute, obtuse, right, scalene, isosceles, equilateral triangle - use 7.3 Desmos lesson - talk about/discuss findings from lab (how to test side lengths to form a triangle, how many degrees make a triangle) - work through examples of	No School Day No School Day
Assessment 7.2 Skill Practice and Problem Solving (due Tuesday) 8th Grade 6.4 - Dilations Learning Target	one triangle, or no triangle. Instruction Warm Up: #98 Vocab: vertical angles, complementary and supplementary angles - practice 2 - 3 problems solving for angles while using algebraic skills	8th Grade6.4 - DilationsLearning TargetStudents will be able to perform multiple transformations on a geometric shape.Standards	classifying triangles, testing side lengths for creating unique triangles, solving for unknown angles in a triangle - Quizizz Practice game (testing side lengths, finding missing interior angles in triangles, classifying triangles) Assessment	

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	Students will be able to dilate an image when given a scale factor. Standards 8.G.1 Verify experimentally the properties of rotations, reflections, and translations: (a) Lines are taken to lines, and line segments to line segments of the same length, (b) Angles are taken to angles of the same measure, (c) Parallel lines are taken to parallel lines. 8.G.3 Describe the effect of dilations, translations, rotations, and reflections on two-dimensional figures using coordinates. Instruction Warm Up: #98 Vocab: scale factor, enlargement, reduction - watch 6.4 Dilation EDPuzzle - fill in guided notes as the students watch - start on 6.4 Dilation Go Formative Assessment Dilation Practice Go Form. (due Wednesday)	 complete the Lock Box challenge (found in Ch. 7 folder) split into groups Form B more challenging have students show work on activity worksheet Assessment Escape the Locker Room - Angles 8th Grade 6.4 - Dilations Learning Target Students will be able to find the scale factor that was used to dilate a geometric shape. Standards 8.G.1 Verify experimentally the properties of rotations, reflections, and translations: (a) Lines are taken to lines, and line segments to line segments of the same length, (b) Angles are taken to angles of the same measure, (c) Parallel lines are taken to parallel lines. 8.G.3 Describe the effect of dilations, translations, rotations, and reflections on two-dimensional figures using coordinates. Instruction Warm Up: #99 Vocab: dilation, scale factor	 8.G.1 Verify experimentally the properties of rotations, reflections, and translations: (a) Lines are taken to lines, and line segments to line segments of the same length, (b) Angles are taken to angles of the same measure, (c) Parallel lines are taken to parallel lines. 8.G.3 Describe the effect of dilations, translations, rotations, and reflections on two-dimensional figures using coordinates. Instruction Warm Up: #100 Vocab: dilation, scale factor class time to ask questions about dilations today we will work on performing multiple movements when it comes to transformations rest of the class time to work on Combo Day - Translations, Reflections, & Dilations (Go Formative) Assessment Combo Day Go Formative 	NoneSth Grade6.3 - RotationsLearning TargetStudents will discover the effects of performing a rotation on a geometric shape.Standards8.G.1 Verify experimentally the properties of rotations, reflections, and translations: (a) Lines are taken to lines, and line segments to line segments of the same length, (b) Angles are taken to angles of the same measure, (c) Parallel lines are taken to parallel lines.8.G.3 Describe the effect of dilations, translations, rotations, and reflections on two-dimensional figures using coordinates.Instruction Warm Up: #101 - Talk About It Thursday Vocab: rotation, center of rotation - take 6.1 - 6.3 Quiz (paper copy in binder) - have students pair up and complete the Rotation Inquiry Lab on McGraw Hill - using Ch. 6 Performance Task as study guide and extra credit
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walk through how to find the SF using graphed shapes
review how to find the new coordinates using dilations of k > 1 and k < 1

- Dilation Quizizz

- finish Dilation Practice (Go Formative)

Assessment

Finish Dilation Practice (Go Formative) Rotation Lab