

MATH WORKSHOP

GEOMETRY



WHAT'S YOUR ANGLE?

Directions: Place your marker on start. When it is your turn, roll the die and move your marker. If you roll an odd number, move 1 space. If you roll an even number, move 2 spaces. When you land on your space, determine the measure of the angle using a protractor. Have your partner check the answer key. If it is correct, stay where you are. If you are not correct, move your marker back to where you were. The first player to reach the finish is the winner.

ART-TASTIC ANGLES

THE STRAIGHT ANGLE

ART-TASTIC ANGLES

THE ACUTE ANGLE

ART-TASTIC ANGLES

THE RIGHT ANGLE

ART-TASTIC ANGLES

THE OBTUSE ANGLE

ANGLE-GO-ROUND

Directions: Using a protractor, measure the angles and write on the line the measurement. Don't forget to include the degree symbol.

Angle	Measure
$\angle ABC$	
$\angle ADE$	
$\angle AFG$	
$\angle AHI$	
$\angle AJK$	
$\angle ALM$	
$\angle ANO$	
$\angle APQ$	
$\angle ARS$	
$\angle AJT$	
$\angle TRS$	
$\angle TPQ$	
$\angle TNO$	
$\angle TLM$	
$\angle TJK$	
$\angle THE$	
$\angle TFG$	
$\angle TDE$	
$\angle TBC$	
$\angle TJA$	

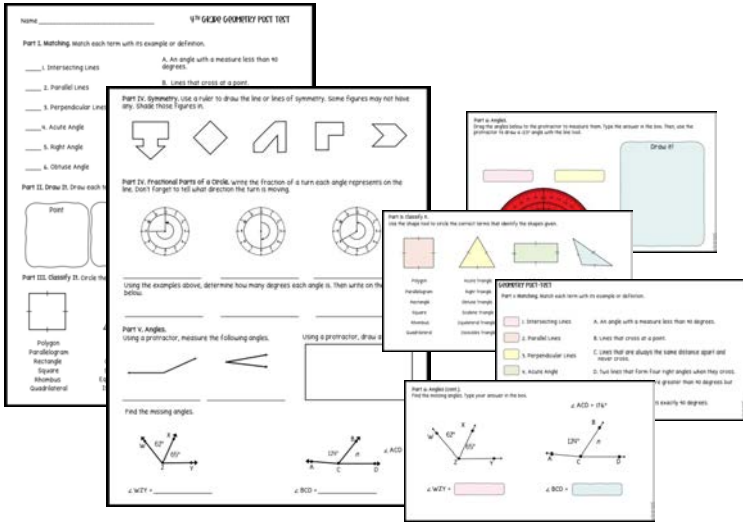
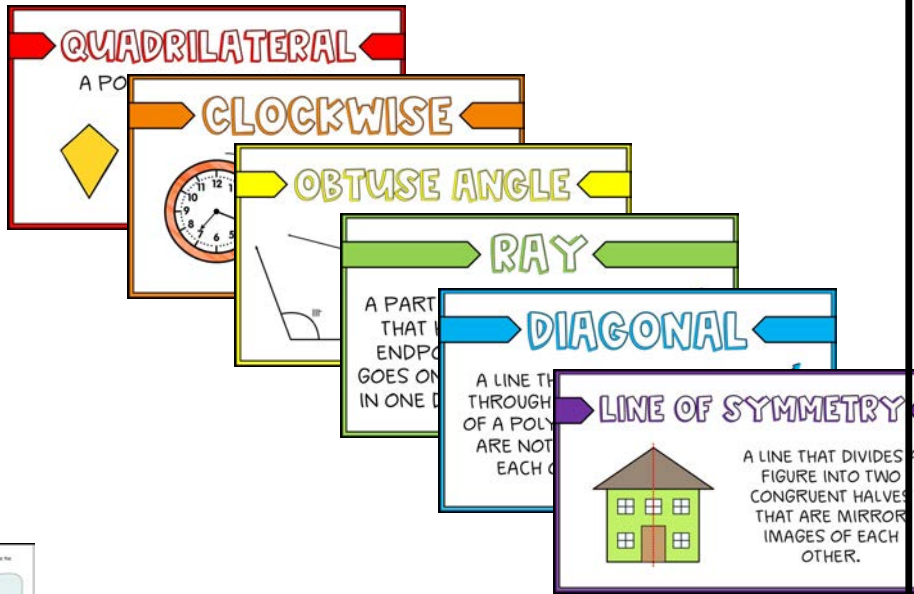


PRINTABLE & DIGITAL

4TH GRADE

VOCABULARY CARDS

CCSS aligned vocabulary cards for use during the lessons, your word walls, and so much more. These are also included in the digital version so you can project them on your board.



PRE-TESTS & POST TESTS

Pre-tests and Post-tests are provided so that you can determine what your students know and don't know. This also helps determine growth after the unit is complete.

UNIT OVERVIEW

A suggested unit overview and pacing is provided, though it's not necessary to follow it. This is to help make planning easy on you. It is also set up so you can just click on the lesson and it'll take you directly to it.

UNIT OVERVIEW				
Click on the box to go directly to that lesson. Click here to access the full unit in digital form.				
Lesson 1 How can we identify, show, & classify points, lines, line segments, rays & angles? pg. 60	Lesson 2 How can we identify & classify triangles by their angles? pg. 60	Lesson 3 How can we identify & classify triangles by the length of their sides? pg. 65	Lesson 4 How can we identify & classify parallel, perpendicular & intersecting lines? pg. 74	Lesson 5 How can we identify & classify quadrilaterals? pg. 81
Lesson 6 What are lines of symmetry & how can we draw them? p. 108	Lesson 7 How can you relate angles & fractional parts of a circle? pg. 118	Lesson 8 How are degrees related to fractional parts of a circle? pg. 128	Lesson 9 How can we use a protractor to measure angles? pg. 134	Lesson 10 How can we use a protractor to draw angles? pg. 144
Lesson 11 How can we determine the measure of an angle separated into parts? pg. 182	Lesson 12 How can we determine the measure of an angle separated into parts? pg. 182	Lesson 13 How can we measure multiple angles? (Adding & Subtracting Multiple Angles) pg. 186	Lesson 14 How can we measure multiple angles? (Adding & Subtracting Multiple Angles) pg. 186	Lesson 15 Unit Review pg. 207
Pre-test pg. 34-37		Post-test pg. 225-228		
VOCABULARY COVERED point, line, line segment, ray, angle, acute angle, obtuse angle, right angle, straight angle, endpoint, quadrilateral, parallelogram, circle, clockwise, counterclockwise, degree, protractor, reasonable, line of symmetry, polygon, parallel lines, perpendicular lines, intersecting lines, vertical, horizontal, congruent.				
CCSS COVERED 5.MD.5, 4.MD.5a, 4.MD.5b, 4.MD.6, 4.MD.7, 4.G.1, 4.G.2, 4.G.3, SMP 2, 4, 5, 6, 7.				

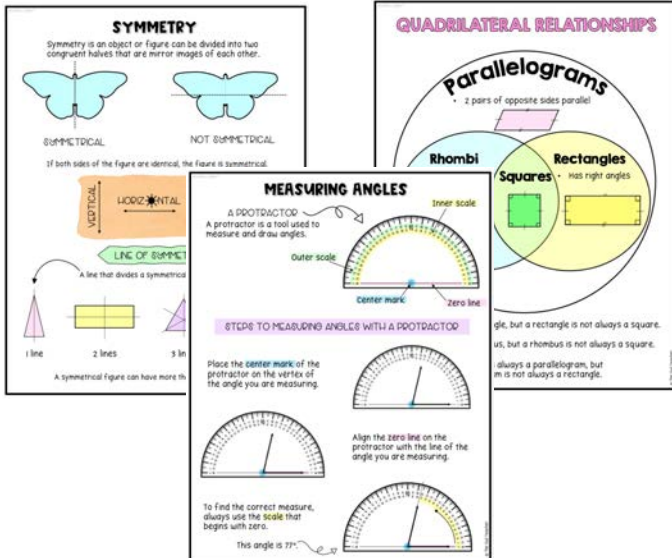
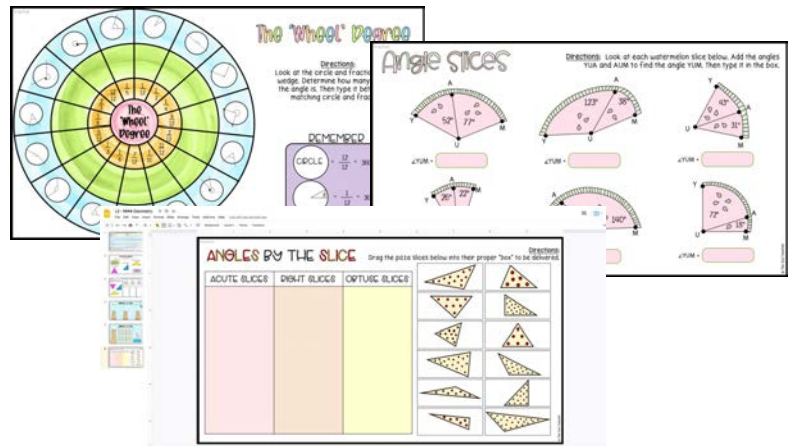
LESSON PLANS

Detailed and thorough lesson plans to help you work through the workshop model. It includes the "I Can" statement, CCSS, vocabulary, materials used, intervention ideas, and extensions.

Lesson 1: How can we identify, show, & classify points, lines, line segments, rays & angles?	
I Can Statement I can identify, show, & classify points, lines, line segments, rays & angles.	CCSS 1.G.A.1, 1.G.A.2, 1.G.A.3, 1.G.A.4, 1.G.A.5
Vocabulary point, line, line segment, ray, angle, acute angle, obtuse angle, right angle, straight angle, endpoint, quadrilateral, parallelogram.	Materials Exploring Fractional Circles, Fractions, Circles, Handouts, Copied Fractional Circles, Tracing Sheets, Copy Paper, Pencils.
Mini-Lesson Students will be able to identify, show, & classify points, lines, line segments, rays & angles.	Lesson Plan This lesson is a lot about measuring angles & drawing them. Today, students will learn how to identify, show, & classify points, lines, line segments, rays & angles.
Active Engagement Students will be able to identify, show, & classify points, lines, line segments, rays & angles.	Active Engagement Students will be able to identify, show, & classify points, lines, line segments, rays & angles.
Link & Independent Practice Students will be able to identify, show, & classify points, lines, line segments, rays & angles.	Link & Independent Practice Students will be able to identify, show, & classify points, lines, line segments, rays & angles.
Intervention Students will be able to identify, show, & classify points, lines, line segments, rays & angles.	Extension Students will be able to identify, show, & classify points, lines, line segments, rays & angles.
Closing Students will be able to identify, show, & classify points, lines, line segments, rays & angles.	Closing Students will be able to identify, show, & classify points, lines, line segments, rays & angles.

DIGITAL VERSION

This unit includes a digital version. You can assign parts of the resource to your students whether you are at school or distance learning.

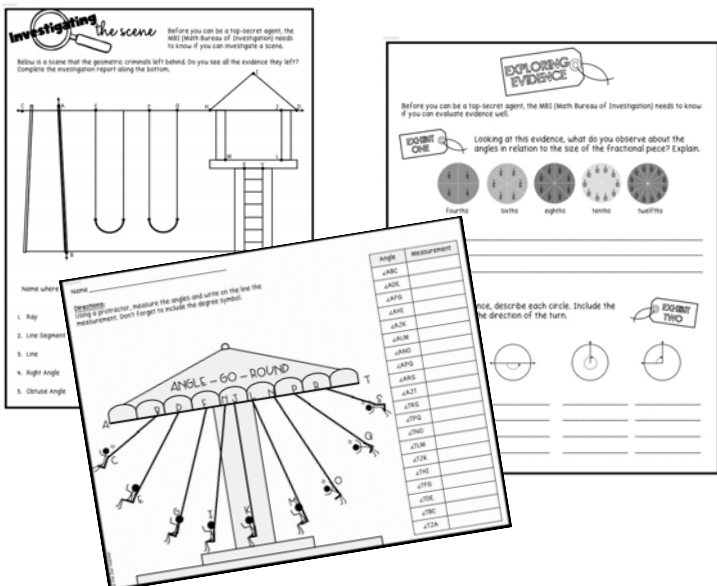
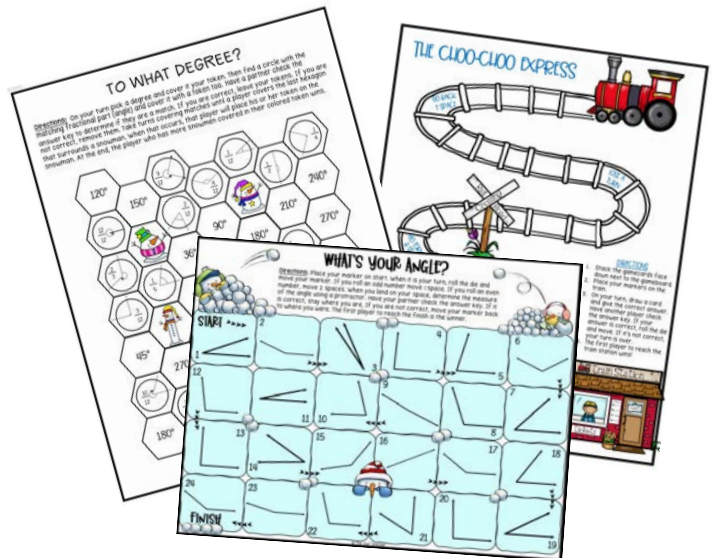


ANCHOR CHARTS

Detailed anchor charts that break things down for your students to help them understand important concepts.

ACTIVITIES

Hands-on, concrete activities that use manipulatives. Activities are created based on research and best practices. Students are engaged and enjoy math more.



PRACTICE WORKSHEETS

Worksheets are provided to give students a chance to practice the newly learned skills and to work their way to mastery. This also provides you the opportunity to check for understanding. Answer keys are included.

INCLUDES COLOR AND B/W VERSIONS!