4th Grade Common Core Math Assessments
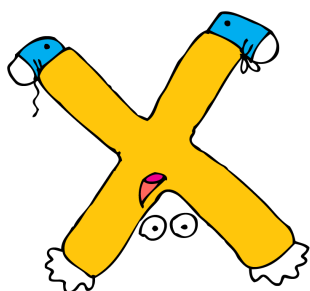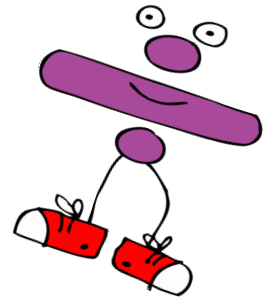
Geometry
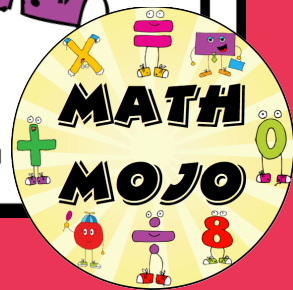
MATH MOJO
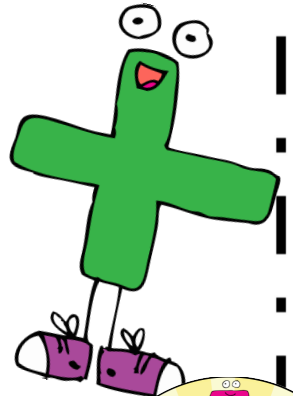
Table of Contents

* Please note – If you need assessments for other 4th Grade Common Core Math Standards you can find them here –
http://www.teacherspayteachers.com/Store/Math-Mojo/Category/Assessments

Using The Assessments

This pack contains 2 assessments for each of the 4th Grade Common Core Math Standards. The first assessment is a "Skills Check". It is a 4 question assessment designed to assess students ability to perform the skills from the standard, for example long multiplication or rounding numbers.

The second assessment is called a "Performance Check". This assessment is 2 questions and has students perform a task, solve a problem, and/or use higher order thinking skills. You can use both assessments together or use them separately.

Tracking Student Progress on the Assessments

There are 3 ways to track student achievement when using these assessments.

The tracking options include the following:
* **Individual Student Graphs** - Students can track the percent correct on each assessment with a bar graph (students can fill these out)
* **Individual Student Charts** - You can chart individual student data on the individual standards
* **Class Data Chart**- Chart the progress of your class and have all the student's data in one place

Using The Data

This data can be used in multiple ways. Teachers can use it to discover class trends, to group students for enrichment or remediation, or to select topics for reteaching and review. The data can be gathered relatively quickly and can be used as a "quick check" before testing or it can be used to assess how well a student mastered a standard. A unique feature of this assessment is that you can look at students ability to perform a skill (Skills Checks) and a student's ability to apply the skill (Performance Checks). Often that helps to determine the type of remediation/reteaching that a student or class needs.

Math Assessment
Skills Check

4.G.1 Draw points, lines, line segments, rays, angles (right, acute, obtuse), and perpendicular and parallel lines. Identify these in two-dimensional figures.

Name _____   Date _____

1. Name 2 right angles.

_____

_____

14   Grade 4   4.G.1

2. How many obtuse angles are in the shape below? Circle the obtuse angles.

_____

3. Does the shape below have any pairs of parallel lines?

16   Grade 4   4.G.1

4. Name the perpendicular lines.

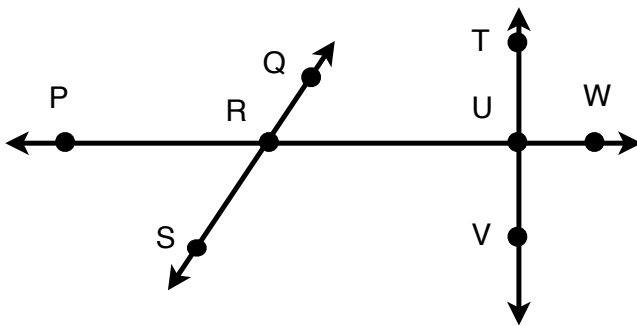_____

Math Assessment
Performance Check

4.G.1 Draw points, lines, line segments, rays, angles (right, acute, obtuse), and perpendicular and parallel lines. Identify these in two-dimensional figures.
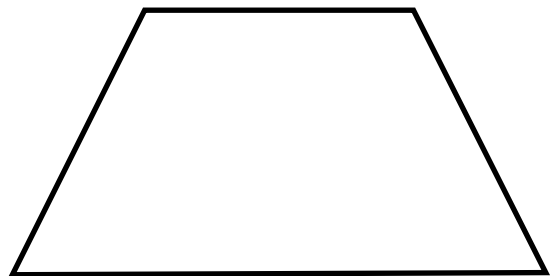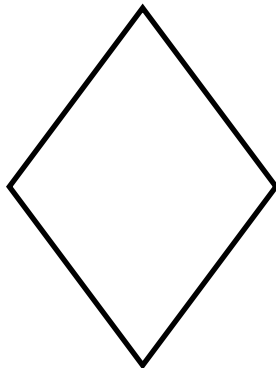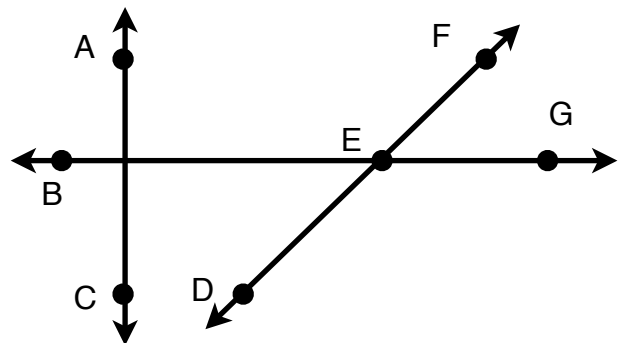
Name _____   Date _____

1. In the shape below -
   * Use colored pencils or crayons to color a pair of parallel lines blue
   * Circle the point where 2 perpendicular lines intersect
   * Draw a triangle around an acute angle
   * Draw a square around an obtuse angle.

2. Draw the shapes below.

| Draw a shape that has both acute and obtuse angles.	Draw a shape that has all right angles.	Draw a shape with parallel lines but no right angles.

Math Assessment
Skills Check

4.G.2 Classify two-dimensional figures based on the presence or absence of parallel or perpendicular lines, or the presence or absence of angles of a specified size. Recognize right triangles as a category, and identify right triangles.

Name _____   Date _____

1. Which shapes have at least one right angle?

_____

A   B

C   D
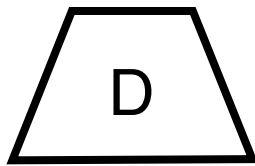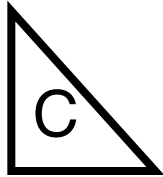
2. Which shapes have BOTH parallel and perpendicular lines?

_____

A   B

C   D

3. Which shapes have at least 1 acute angle?

_____

A   B

C   D
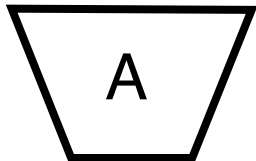
4. Which shapes are right triangles?

_____

A   B

C   D
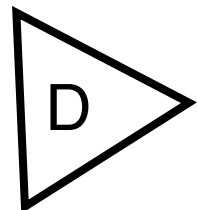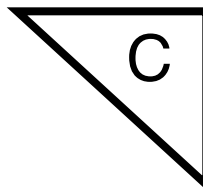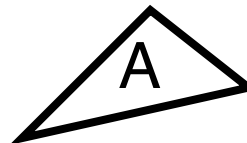
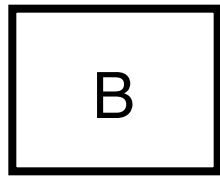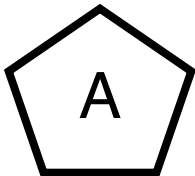# Math Assessment
Performance Check

4.G.2 Classify two-dimensional figures based on the presence or absence of parallel or perpendicular lines, or the presence or absence of angles of a specified size. Recognize right triangles as a category, and identify right triangles.
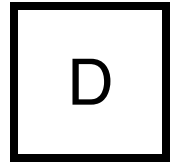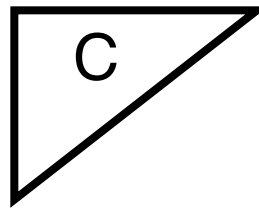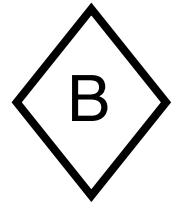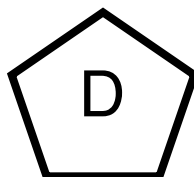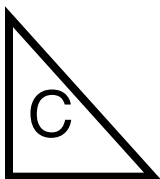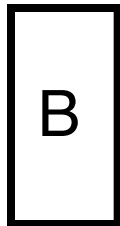
Name _____   Date _____

1. Put the letter of each shape in the correct spot on the Venn Diagram.

A   B

C   D

E   F

G   H
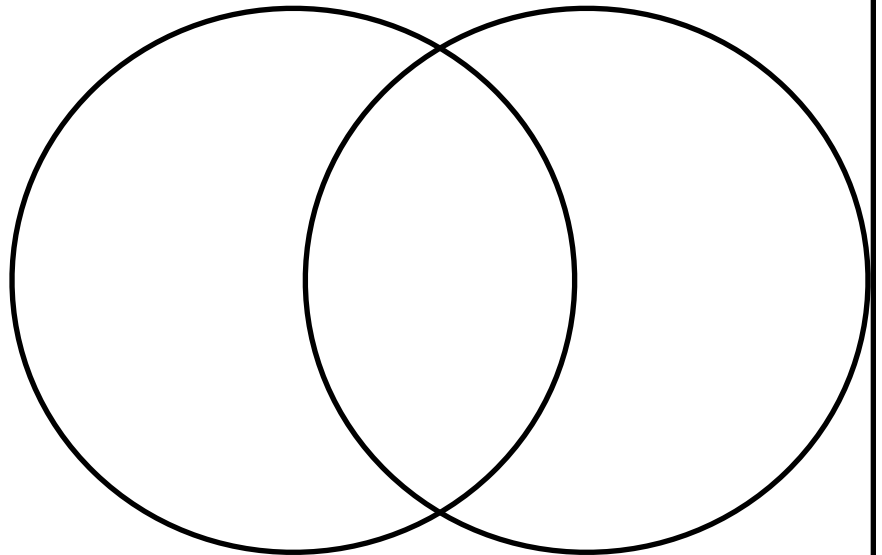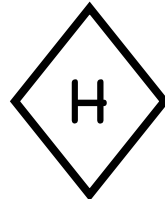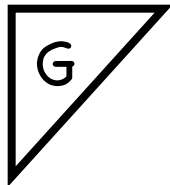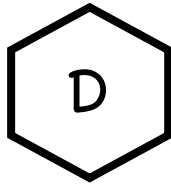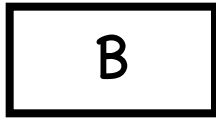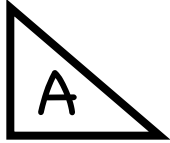
Shapes with parallel lines   Shapes with perpendicular lines

2. Maybell sorted some shapes into 2 groups. Look at the angles in the shapes below. Describe the characteristics of the angles in each group.
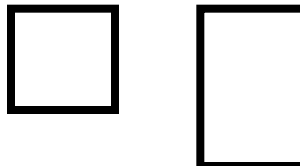
| Group A | Group B |
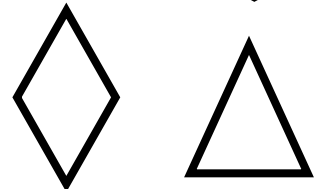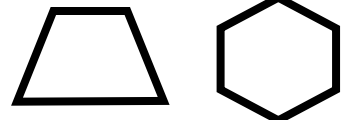
Math Assessment
Skills Check

4.G.3 Recognize a line of symmetry for a two-dimensional figure as a line across the figure such that the figure can be folded along the line into matching parts. Identify line-symmetric figures and draw lines of symmetry.

Name _____   Date _____

1. Does the figure below have line symmetry? If so, draw the line or lines of symmetry.

   _____
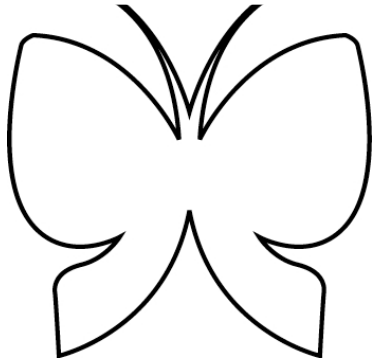
2. Does the figure below have line symmetry? If so, draw the line or lines of symmetry.

   _____

3. Does the figure below have line symmetry? If so, draw the line or lines of symmetry.

   _____
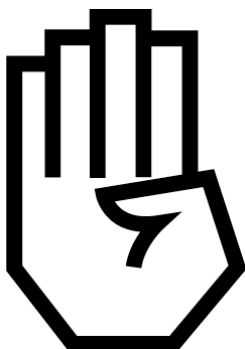
4. Do the lines represent the lines of symmetry for the figure below?

   _____
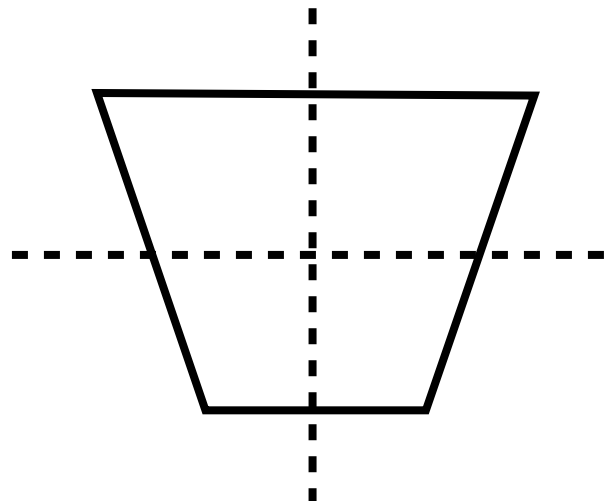
Math Assessment
Performance Check

4.G.3 Recognize a line of symmetry for a two-dimensional figure as a line across the figure such that the figure can be folded along the line into matching parts. Identify line-symmetric figures and draw lines of symmetry.

Name _____   Date _____

1. Marvin drew a square and made dotted lines to show it had 4 lines of symmetry. He then said that all quadrilaterals (shapes with 4 sides) must also have 4 lines of symmetry. Is he correct? Please explain how you got your answer using a chart, models, pictures, words, or numbers.
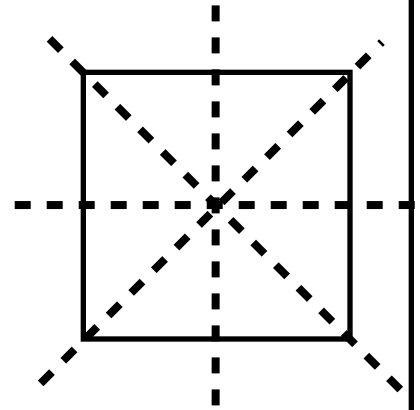
2. Jace was cutting out triangles for a project. He noticed that some triangles have the same number of lines of symmetry. Please draw the lines of symmetry on the triangles below and explain why they do not all have the same amount of lines of symmetry.

Standards Achievement Graph
Geometry

Name _____

100%

90%

80%

70%

60%

50%

40%

30%

20%

10%

0%

4.G.1
Lines and angles

4.G.2
Classifying figures

4.G.3
Symmetry

Standards Achievement Graph
Geometry

Name _____

100%					
90%					
80%					
70%					
60%					
50%					
40%					
30%					
20%					
10%					
0%					

Skills	Performance	Skills	Performance	Skills	Performance
4.G.1 Lines and angles		**4.G.2** Classifying figures		**4.G.3** Symmetry	
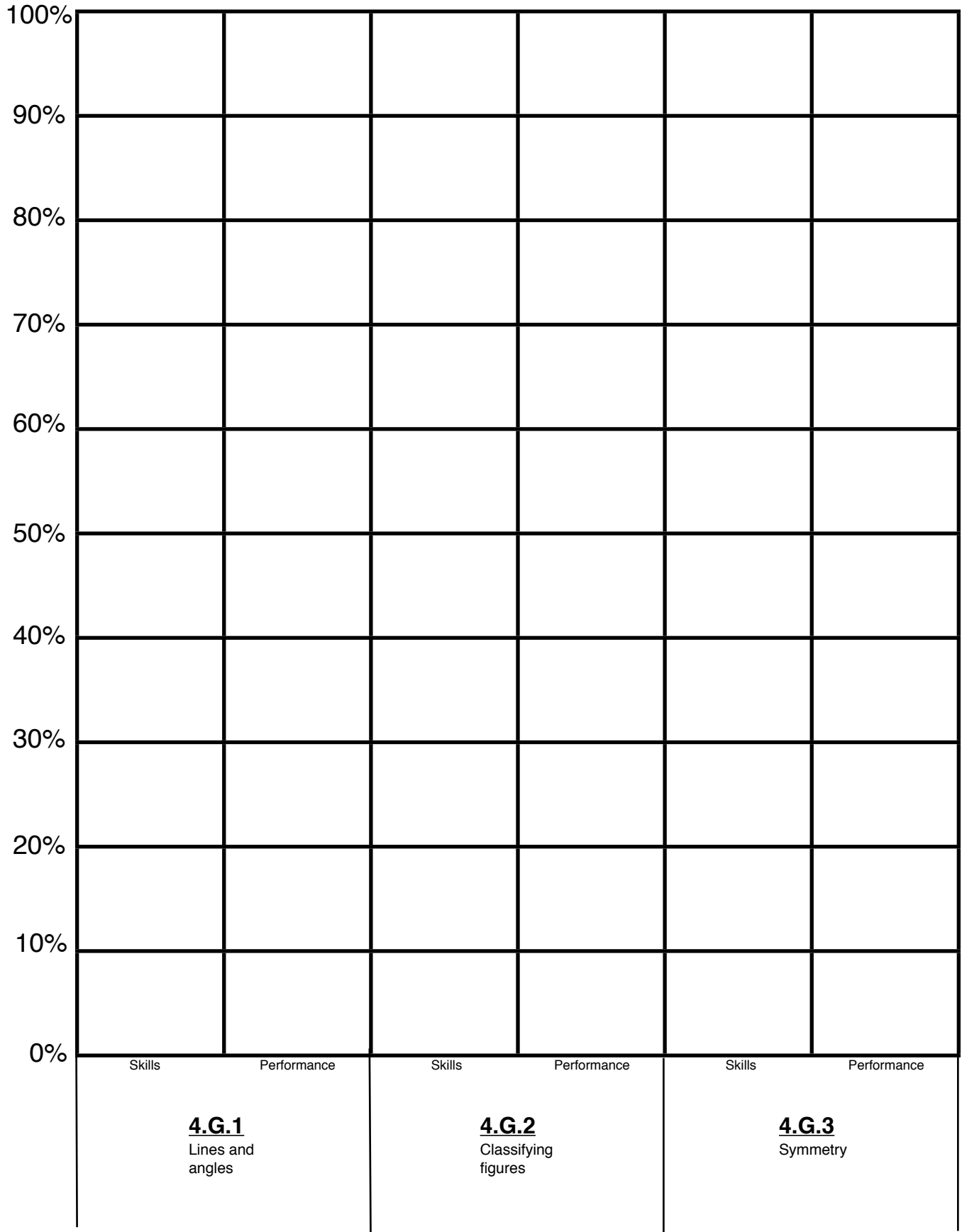
Standards Achievement Chart
Geometry

Name _____

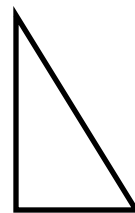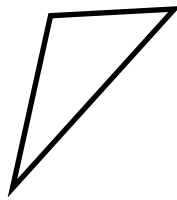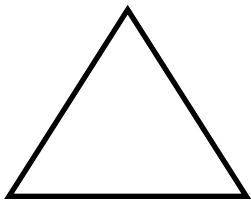| Standard	Score
4.G.1 Draw points, lines, line segments, rays, angles (right, acute, obtuse), and perpendicular and parallel lines. Identify these in two-dimensional figures.	
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Notes_____

_____

_____

_____

_____

Standards Achievement Chart
Geometry

Name _____

Standard	Skills Score	Performance Score
4.G.1 Draw points, lines, line segments, rays, angles (right, acute, obtuse), and perpendicular and parallel lines. Identify these in two-dimensional figures.		
4.G.2 Classify two-dimensional figures based on the presence or absence of parallel or perpendicular lines, or the presence or absence of angles of a specified size. Recognize right triangles as a category, and identify right triangles.		
4.G.3 Recognize a line of symmetry for a two-dimensional figure as a line across the figure such that the figure can be folded along the line into matching parts. Identify line-symmetric figures and draw lines of symmetry.		

Notes_____

_____

_____

_____
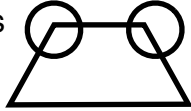
_____

Class Achievement Chart
Geometry

Student Name	4.G.1	4.G.2	4.G.3
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			
17.			
18.			
19.			
20.			
21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			

Geometry Answer Key

4.G.1 Skills Check

1. Any two of these angles is okay

∠TUW, ∠WUV, ∠TUR, ∠, ∠RUV

2. 2 obtuse angles

3. yes

4. $\overline{AC}$ and $\overline{BE}$

4.G.1 Performance Check
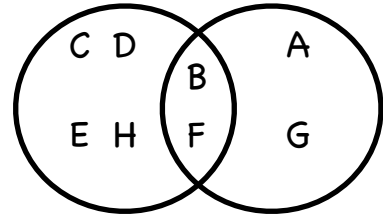
1.

Students may circle either point

2. Answers will vary (sample answers given)

Draw a shape that has both acute and obtuse angles.	Draw a shape that has all right angles.	Draw a shape with parallel lines but no right angles.

4.G.2 Skills Check

1. B, C
2. A, D
3. A, C
4. B, C

4.G.2 Performance Check

1.

C D
B
A
E H F G
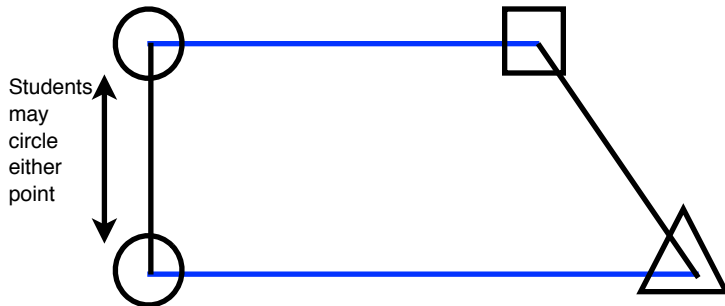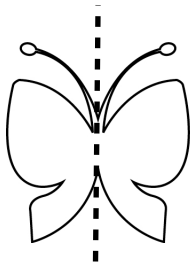
Shapes with parallel lines   Shapes with perpendicular lines

2. Answers may vary, but should include that Group A has shapes with all right angles, and Group B has shapes with acute and obtuse angles
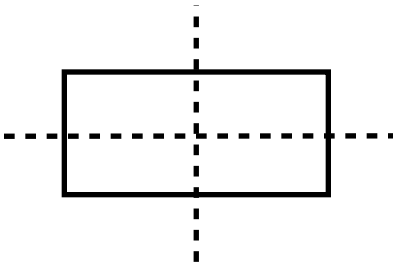
Geometry Answer Key
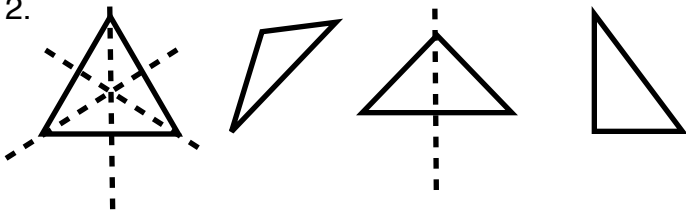
4.G.3 Skills Check

1. yes

2. yes

3. no
4. no

4.G.3 Performance Check

1. He is not correct. There are many 4 sided shapes that have no lines of symmetry, 1 line of symmetry, or 2 lines of symmetry. Students need to explain this and give an example of a 4 sided shape with less than 4 lines of symmetry.

2.

Answers will vary. Students may explain that in some triangles do not have a point where, if it was folded both sides would match. The student may explain suing drawings as well.

Other 4th Grade Common Core Products

4th Grade Common Core Math Vocabulary

http://www.teacherspayteachers.com/Product/4th-Grade-Common-Core-Math-Vocabulary

4th Grade Common Core ELA Ultimate Vocabulary Resource

http://www.teacherspayteachers.com/Product/4th-Grade-Common-Core-ELA-Ultimate-Vocabulary-Resource

Seasonal Units and Game Packs

http://www.teacherspayteachers.com/Store/Math-Mojo/Category/Holiday-Seasonal

Common Core 4th Grade Math Task Cards Mega Bundle - All Domains and Standards

http://www.teacherspayteachers.com/Product/Common-Core-4th-Grade-Math-Task-Cards-Mega-Bundle-All-Domains-and-Standards

Fundamental Fraction and Decimal Games

http://www.teacherspayteachers.com/Product/FUNdamental-Fraction-and-Decimal-Games

Fun Friday Math Games

http://www.teacherspayteachers.com/Product/Fun-Friday-Math-Games-Quarter-1

Common Core Math Standards Packs

www.teacherspayteachers.com/Store/Math-Mojo/Category/Common-Core-Math-Standards-Packs-

4th Grade Common Core Review Game

http://www.teacherspayteachers.com/Product/4th-Grade-Common-Core-Math-Review-Game-Mega-Bundle-All-Domains-and-Standards

Fundamental Geometry Games

http://www.teacherspayteachers.com/Product/FUNdamental-Geometry-Games

The Fine Print

Thank You!

Thank you for purchasing this product! I specialize in Common Core resources, math games, and specialty units. If you like this product please visit my store at.

www.teacherspayteachers.com/Store/Math-Mojo

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