Math Intervention

TANYA YERO Teaching

8th Grade

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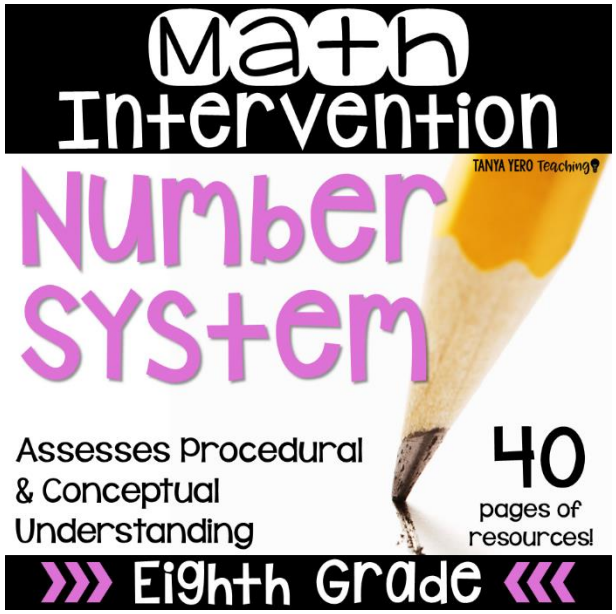
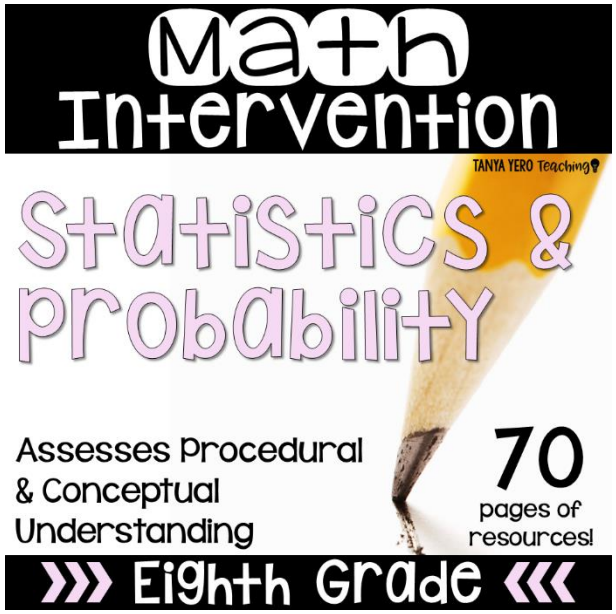




Complete Bundle

How to use the materials included

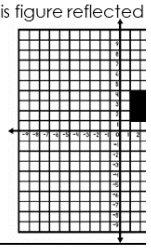
Pretest and Item Analysis sheet is designed to pin point exactly where your students' needs are.

Name: Date:

Geometry Pre-test 8.G.1 - 8.G.5

1.) Check the c
box(es):
- ☐ transla
- ☐ rotatio
- ☐ reflec

3.) What will be the up
of this figure reflected



5.) You move a pl
is in the mirror imc
position it was orig
Check the correc
describe this situa
- ☐ dilation
- ☐ rotation
- ☐ translation
- ☐ reflection
- ☐ isometry

Name: Date:

Geometry Pre-test 8.G.1 - 8.G.5

7.) If point (3, 4) is dilated from the origin to become point (10.5, 14), what scale factor was used?

8.) Describe a sequence of transformations that would allow ΔABC to become ΔDEF. The vertices of ΔABC are (-2, 2), (-5, 2), and (-2, 4), and the vertices of ΔDEF are (7, 2), (7, 4), and (10, 2).

9.) In ΔABC, ∠B = 66. ∠C forms a straight angle with ∠D and ∠E. ∠D = 108 and ∠E = 19. Find ∠C and ∠A.

10.) ΔABC has angles that measure 80, 55, and 55 degrees; one of its side lengths is 38. ΔDEF has angles that measure 80, 55, and 55 degrees; one of its side lengths is 10. Select the correct word from the options, and then explain your answer:
a. These triangles (must be/can be/cannot be) congruent.
b. These triangles (must be/can be/cannot be) similar.

Item Analysis Data Sheet Per Student

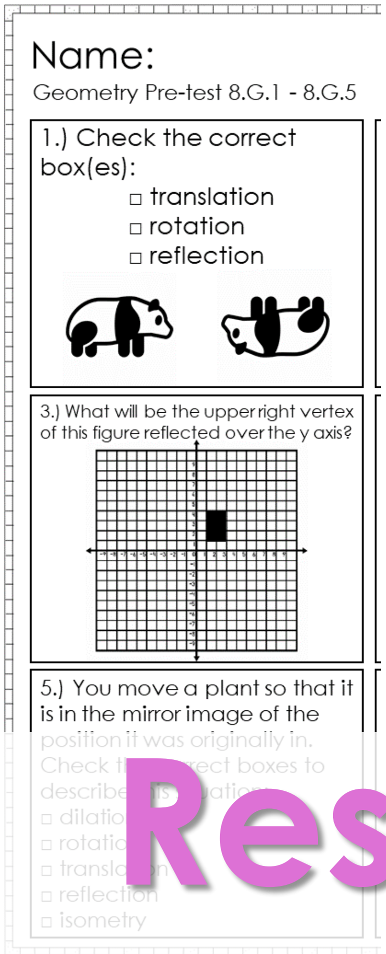
Geometry Pre-test 8.G.1 - 8.G.5

Student Name: _____

?'s	Standard	Procedural Understanding	Conceptual Understanding	(M) Missed
#1	8.G.1	X		
#2	8.G.1		X	
#3	8.G.2	X		
#4	8.G.2		X	
#5	8.G.3	X		
#6	8.G.3		X	
#7	8.G.4	X		
#8	8.G.4		X	
#9	8.G.5	X		
#10	8.G.5		X	

Printables are included for reviewing procedural and conceptual understanding for each standard/topic.

Resources for every step of intervention!



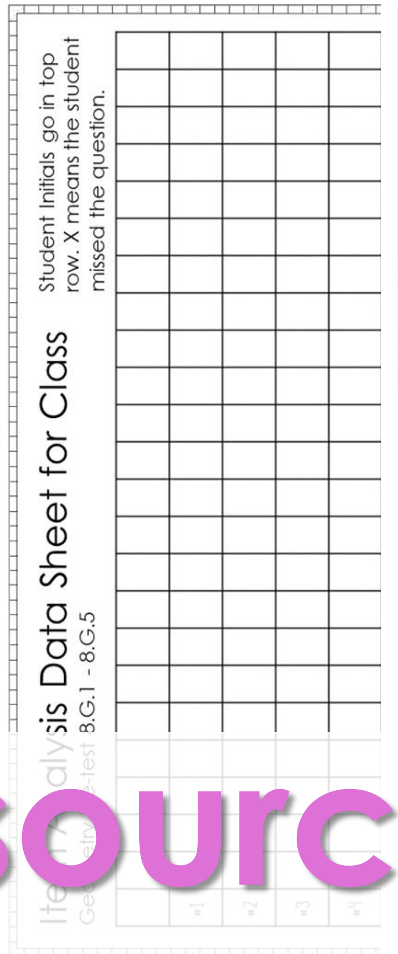
Name:

Geometry Pre-test 8.G.1 - 8.G.5

1.) Check the correct box(es):
☐ translation
☐ rotation
☐ reflection

3.) What will be the upper right vertex of this figure reflected over the y axis?

5.) You move a plant so that it is in the mirror image of the position it was originally in. Check the correct boxes to describe this situation.
☐ dilation
☐ rotation
☐ translation
☐ reflection
☐ isometry

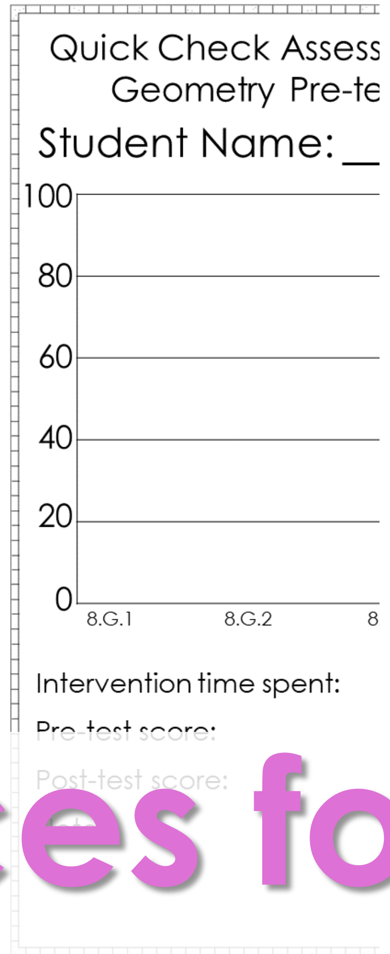


Item Analysis Data Sheet for Class

Geometry Pre-test 8.G.1 - 8.G.5

Student Initials go in top row. X means the student missed the question.

#1
#2
#3
#4



Quick Check Assess

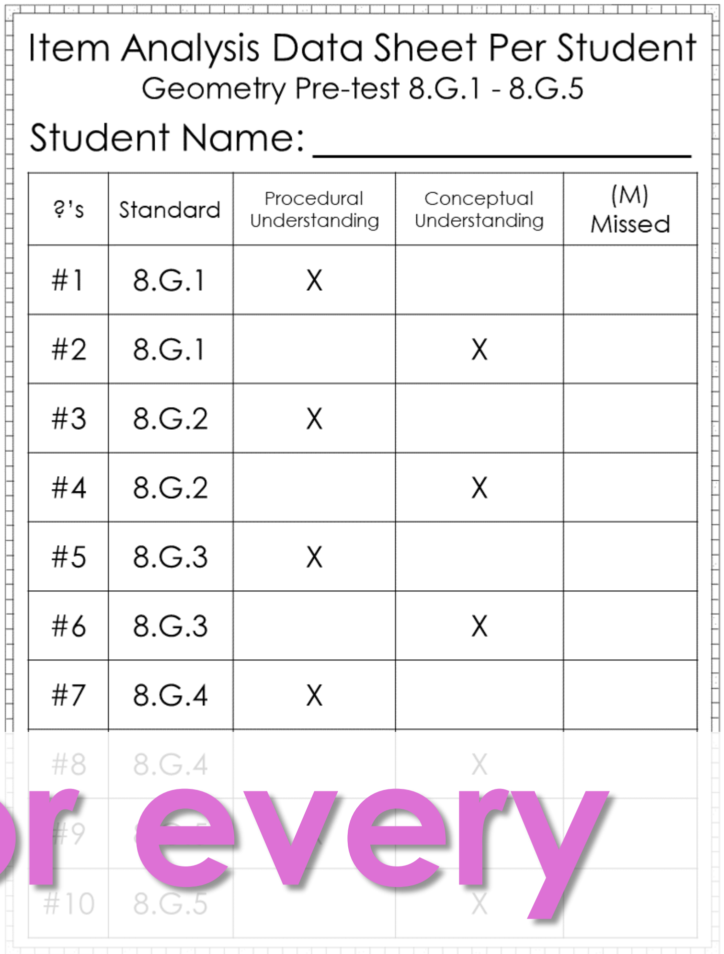
Geometry Pre-te

Student Name: _

Intervention time spent:

Pre-test score:

Post-test score:

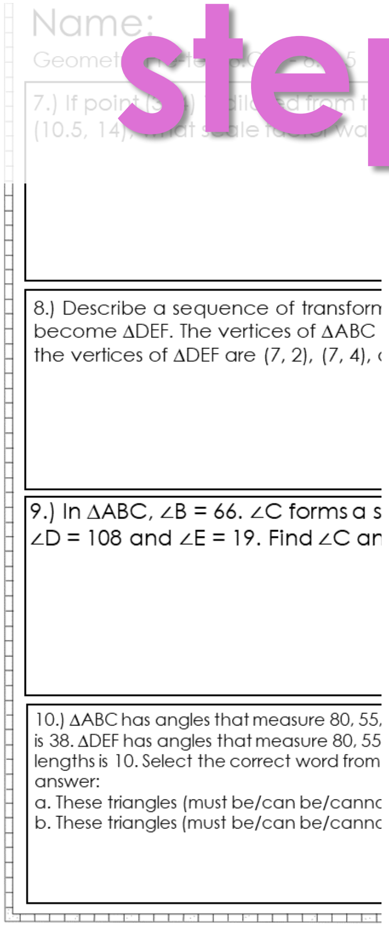


Item Analysis Data Sheet Per Student

Geometry Pre-test 8.G.1 - 8.G.5

Student Name: ____________

?'s	Standard	Procedural Understanding	Conceptual Understanding	(M) Missed
#1	8.G.1	X		
#2	8.G.1		X	
#3	8.G.2	X		
#4	8.G.2		X	
#5	8.G.3	X		
#6	8.G.3		X	
#7	8.G.4	X		
#8	8.G.4		X	
#9				
#10	8.G.5		X	



Name:

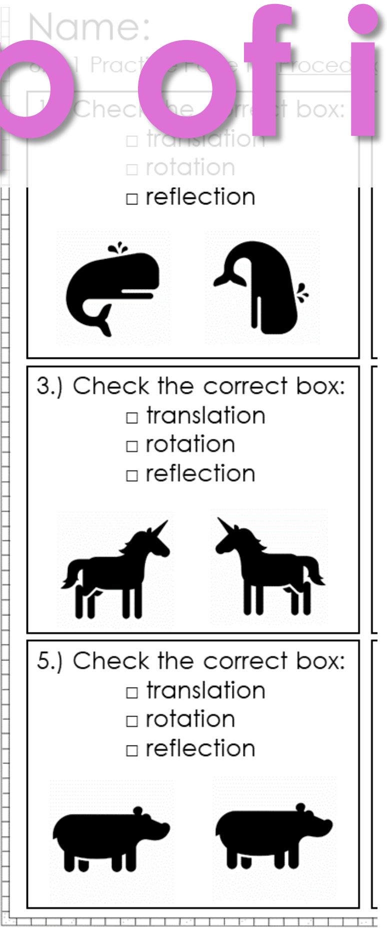
Geomet 8.G.5

7.) If point is dilated from t (10.5, 14), what scale factor wa

8.) Describe a sequence of transform become ΔDEF. The vertices of ΔABC the vertices of ΔDEF are (7, 2), (7, 4), (

9.) In ΔABC, ∠B = 66. ∠C forms a s ∠D = 108 and ∠E = 19. Find ∠C ar

10.) ΔABC has angles that measure 80, 55, is 38. ΔDEF has angles that measure 80, 55 lengths is 10. Select the correct word from answer:
a. These triangles (must be/can be/cannc
b. These triangles (must be/can be/cannc



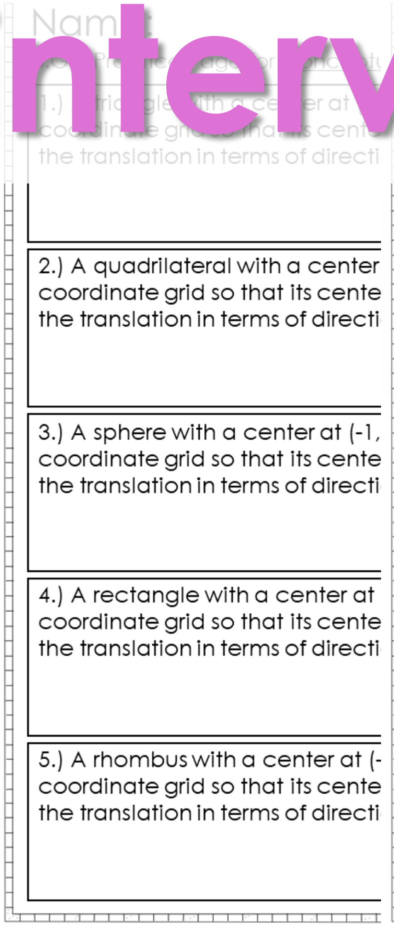
Name:

8.G.1 Practice of the Procedural

1.) Check the correct box:
☐ translation
☐ rotation
☐ reflection

3.) Check the correct box:
☐ translation
☐ rotation
☐ reflection

5.) Check the correct box:
☐ translation
☐ rotation
☐ reflection



Name:

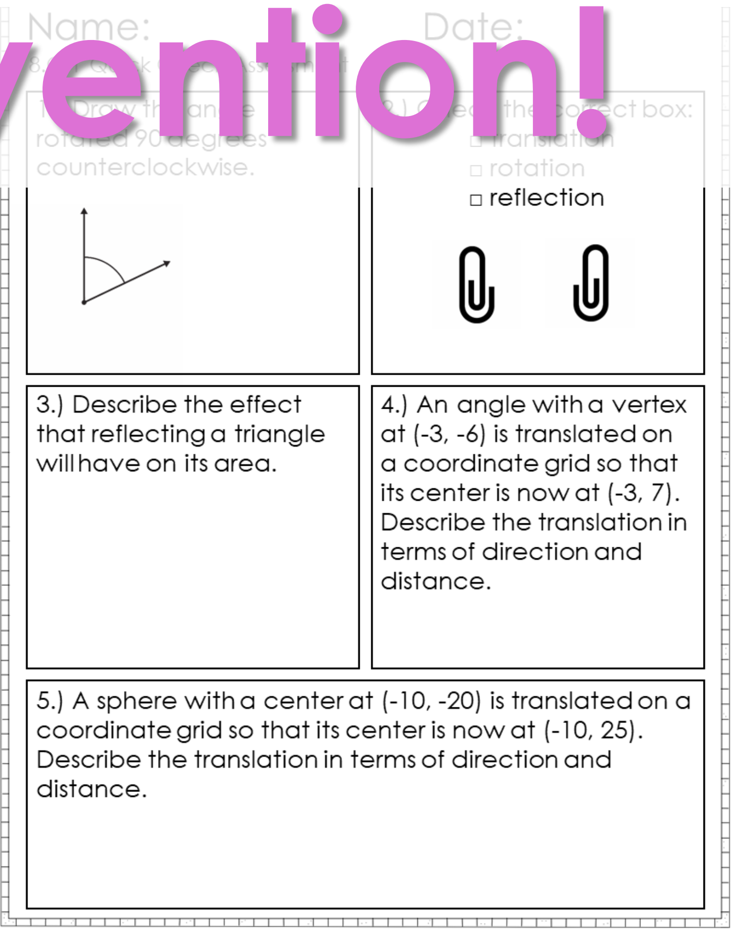
1.) A triangle with a center at coordinate grid so that its cente the translation in terms of directi

2.) A quadrilateral with a center coordinate grid so that its cente the translation in terms of directi

3.) A sphere with a center at (-1, coordinate grid so that its cente the translation in terms of directi

4.) A rectangle with a center at coordinate grid so that its cente the translation in terms of directi

5.) A rhombus with a center at (- coordinate grid so that its cente the translation in terms of directi



Name: Date:

8. Quick Check Assessment

1.) Draw the angle rotated 90 degrees counterclockwise.

2.) Check the correct box:
☐ translation
☐ rotation
☐ reflection

3.) Describe the effect that reflecting a triangle will have on its area.

4.) An angle with a vertex at (-3, -6) is translated on a coordinate grid so that its center is now at (-3, 7). Describe the translation in terms of direction and distance.

5.) A sphere with a center at (-10, -20) is translated on a coordinate grid so that its center is now at (-10, 25). Describe the translation in terms of direction and distance.

THANK YOU FOR YOUR PURCHASE!

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