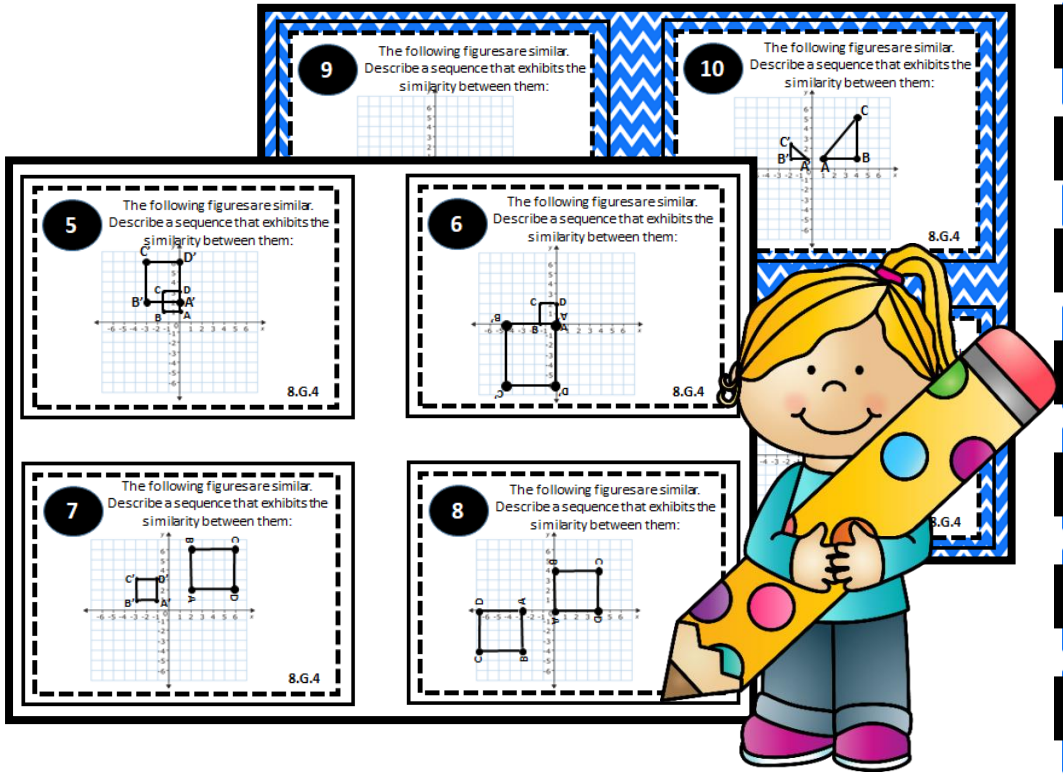
Geometry
Task Cards 8.G.4

20 Task Cards, Recording Sheet, Answer Sheet

8.G.4

Understand that a two-dimensional figure is similar to another if the second can be obtained from the first by a sequence of rotations, reflections, translations, and dilations; given two similar two-dimensional figures, describe a sequence that exhibits the similarity between them.



Created by:
Math in the Midwest

8.G.4

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True or False

All congruent figures are also similar figures.

8.G.4

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True or False

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8.G.4

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Determine if the following scale factor would be an enlargement or a reduction.

Scale Factor: 2.5

8.G.4

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Determine if the following scale factor would be an enlargement or a reduction.

Scale Factor: $\frac{1}{5}$

8.G.4

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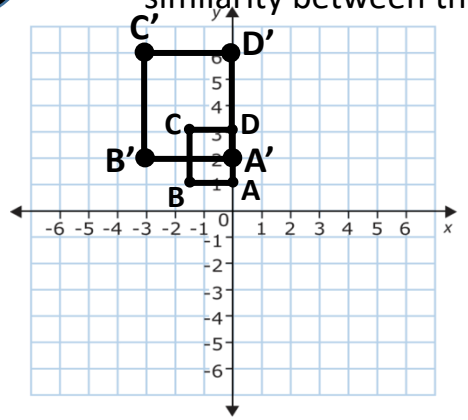

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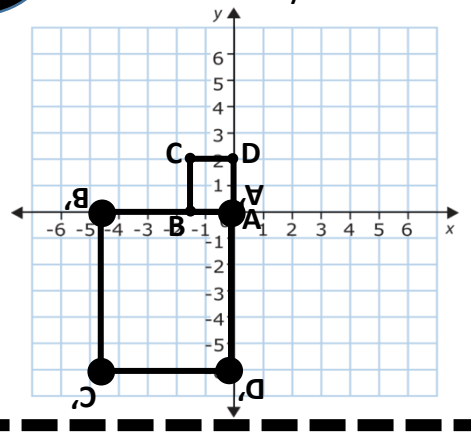

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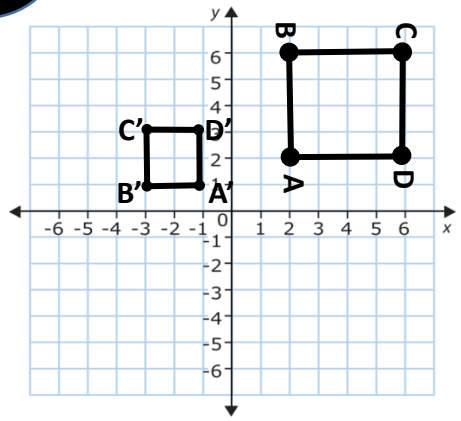

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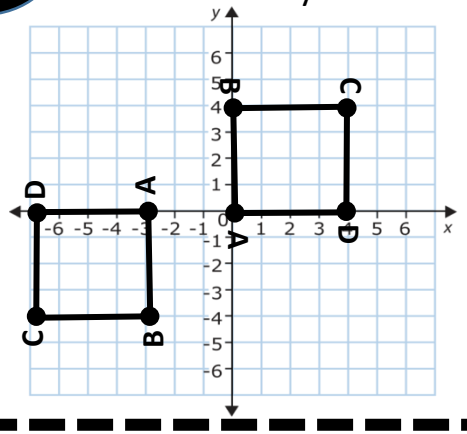

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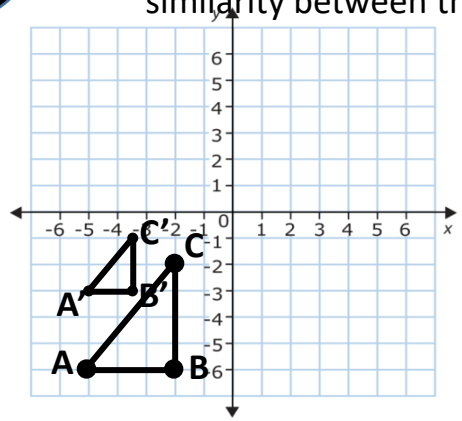

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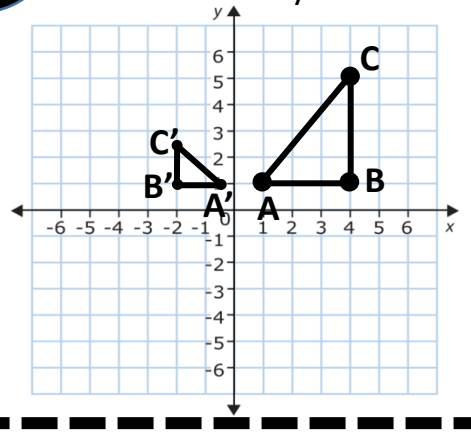

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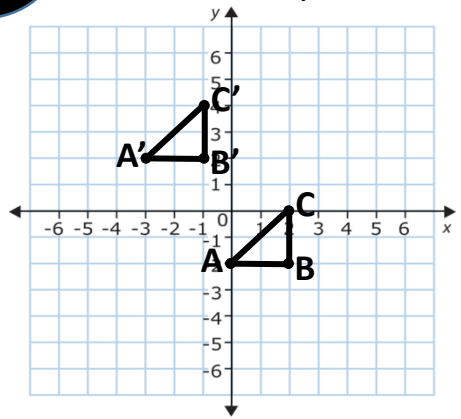

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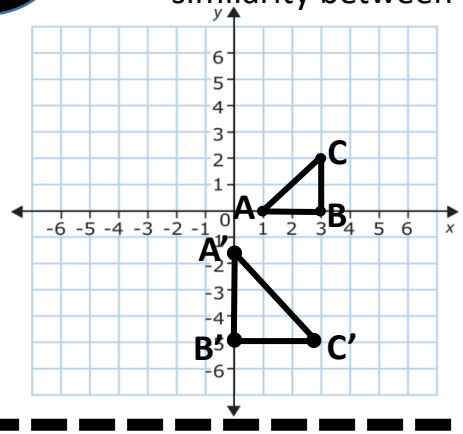

8.G.4

13

If ΔABC is similar to ΔGHI. Identify which angle corresponds with angle C.

8.G.4

14

If ΔABC is similar to ΔGHI. Identify which side corresponds with side GI.

8.G.4

15

True or False

If ΔJKL is similar to ΔMNO. Then angle J corresponds to angle O.

8.G.4

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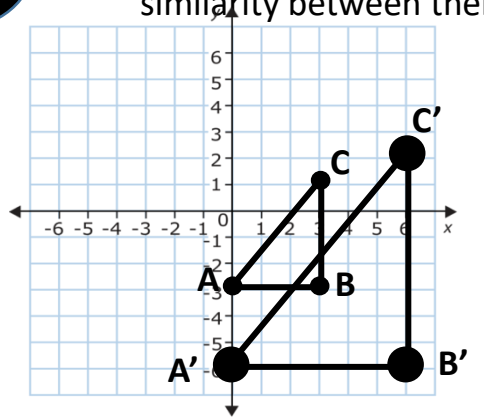

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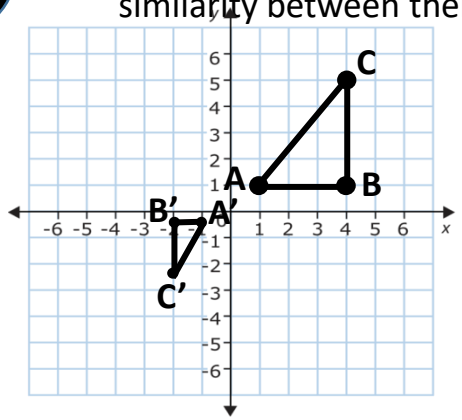

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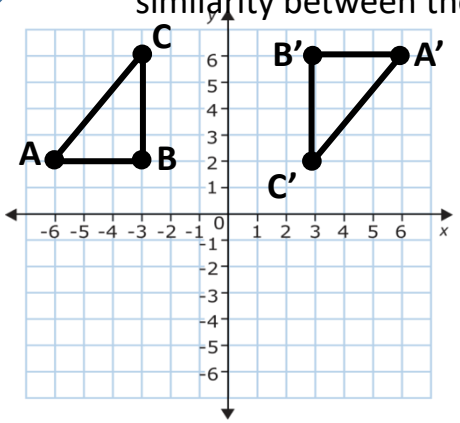

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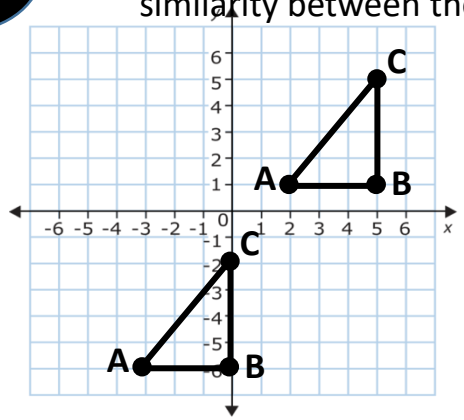

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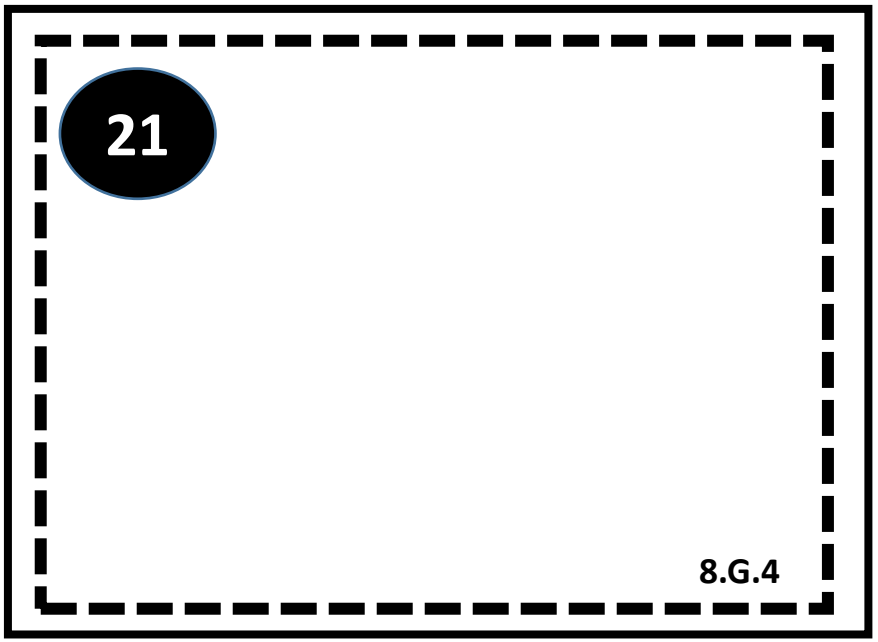

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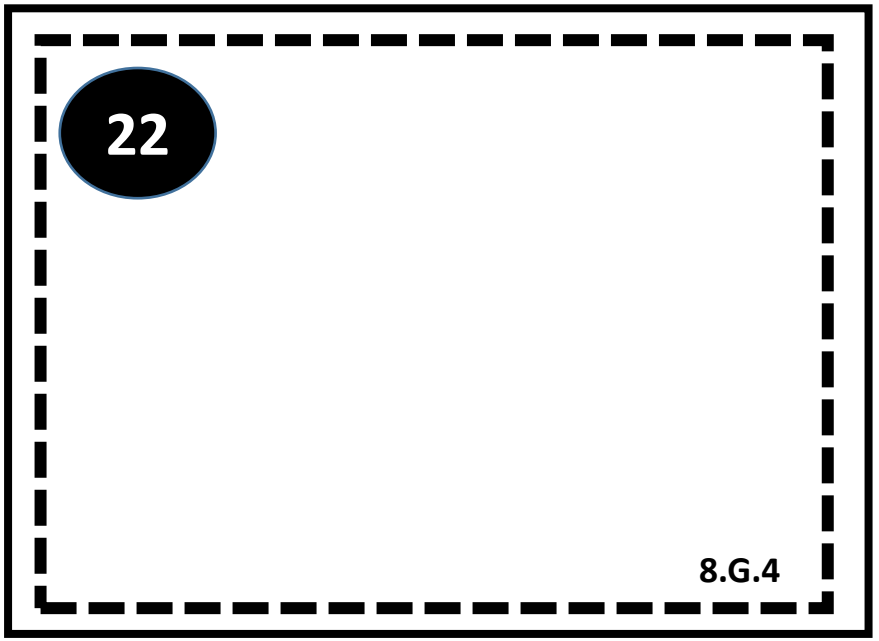

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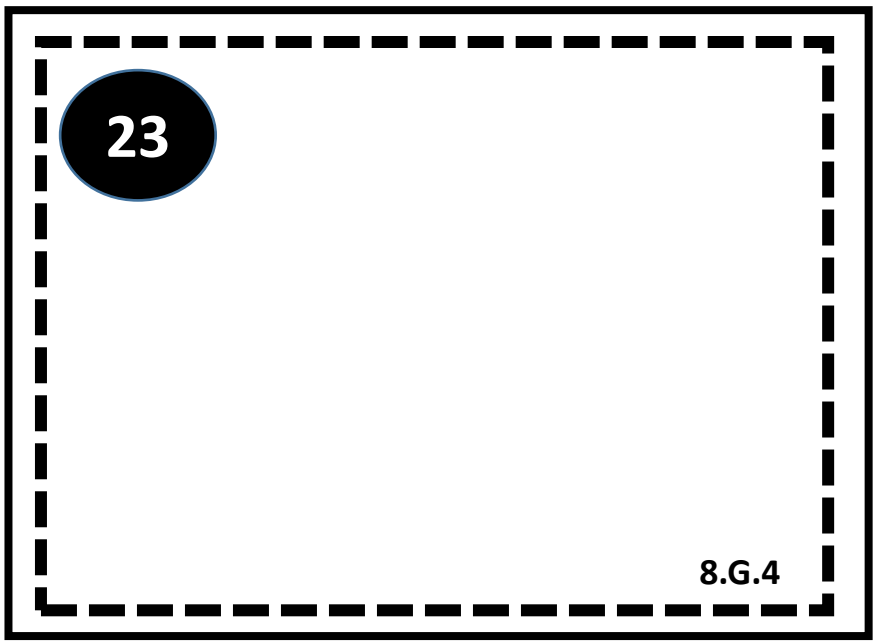

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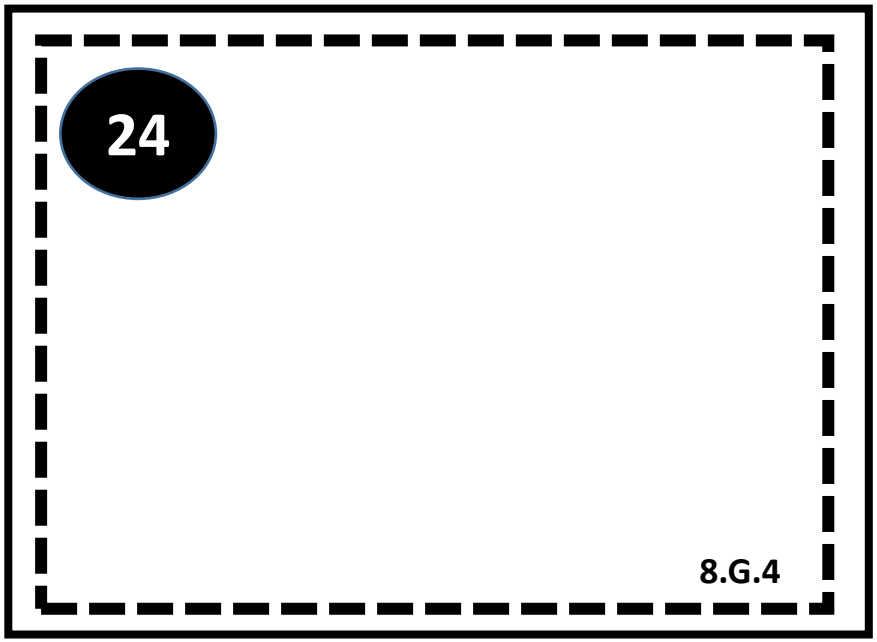

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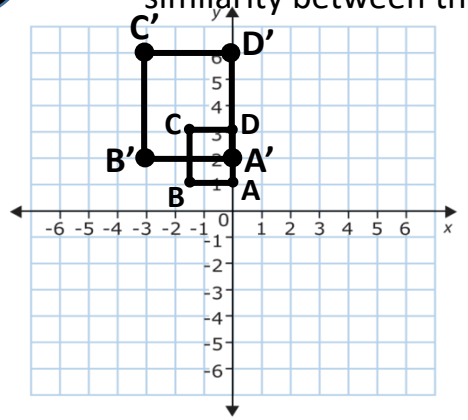

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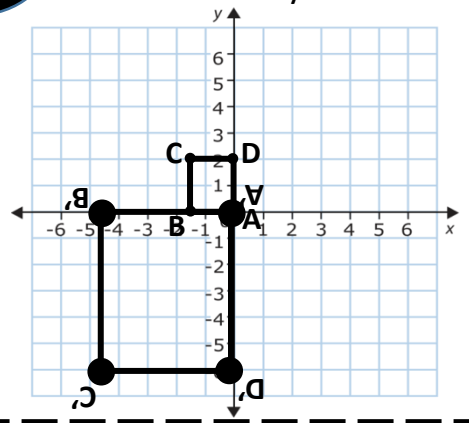

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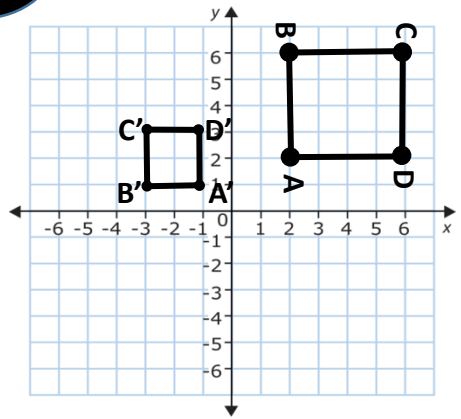

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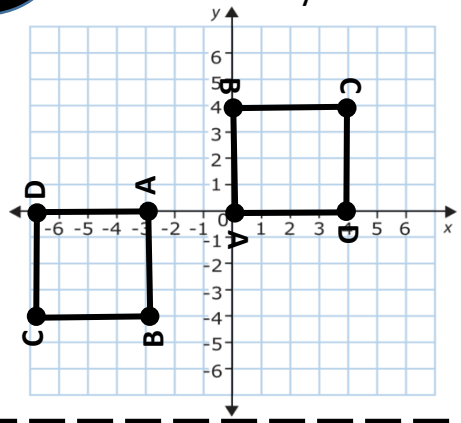

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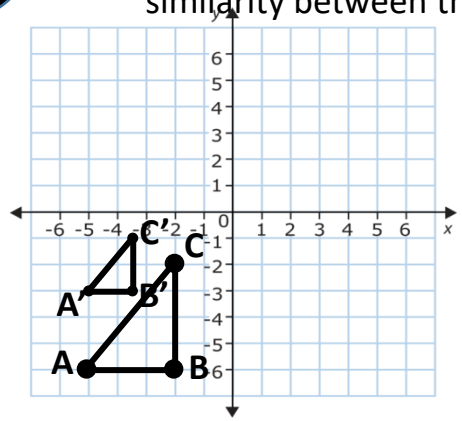

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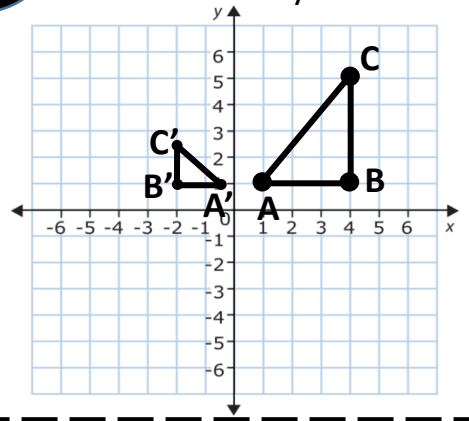

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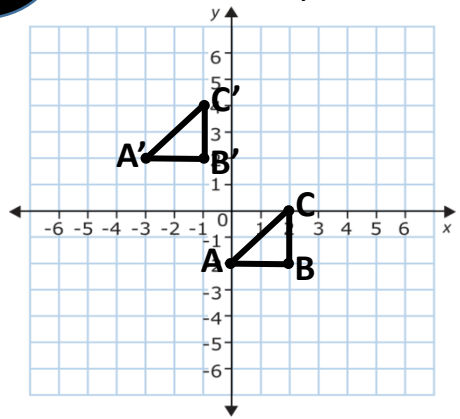

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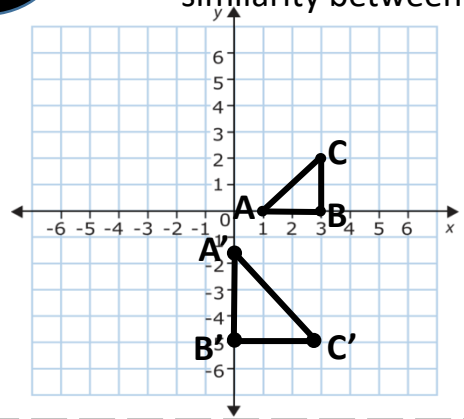

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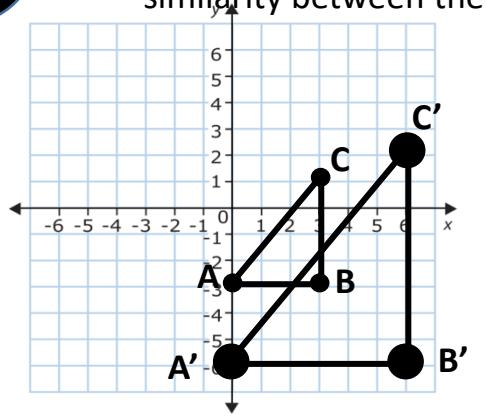

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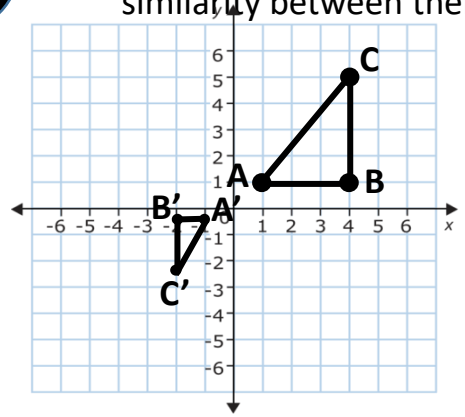

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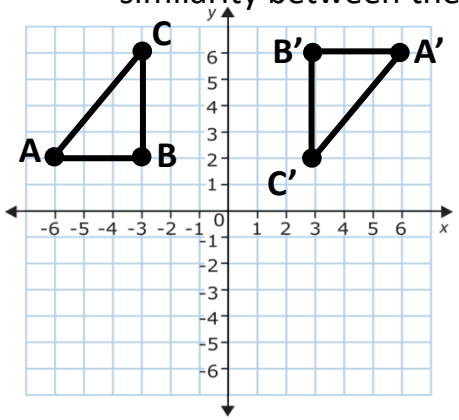

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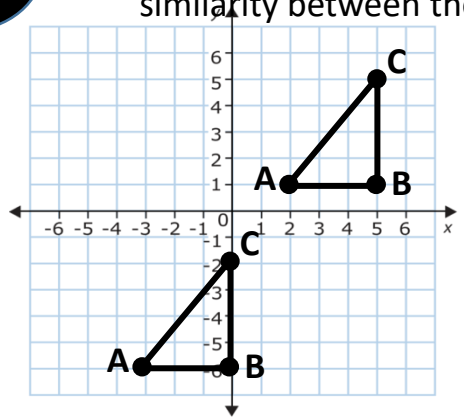

8.G.4

21

8.G.4

22

8.G.4

23

8.G.4

24

8.G.4

Name _____ Hour _____

8.G.4 Recording Sheet

1.	2.	3.
4.	5.	6.
7.	8.	9.

Name _____ Hour _____

10.	11.	12.
13.	14.	15.
16.	17.	18.
19.	20.	

Answer Key

Number	Answer
1	True
2	False
3	Enlargement
4	Reduction
5	Dilate by a scale factor of 2
6	Dilate by a scale factor of 3 Reflect over x axis
7	Rotate 90 degrees Counterclockwise then dilate by a sale factor of 0.5
8	Rotate 180 degrees Translate left 3 units
9	Dilate by a scale factor of 0.5
10	Reflect over the y axis then dilate by a scale factor of 0.5

Number	Answer
11	Translate left 3 units and up 4 units
12	Rotate 90 degrees clockwise and dilate by a scale factor of 1.5
13	Angle I
14	Side AC
15	False
16	True
17	Dilate by a scale factor of 2
18	Rotate 180 degrees then dilate by a scale factor of 0.5
19	Rotate 180 degrees then reflect across the x axis
20	Translate down 7 units and left 5 units

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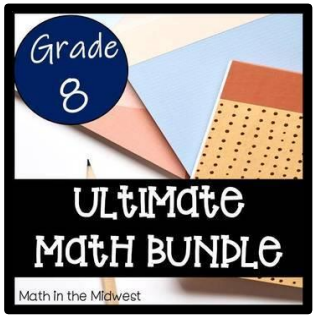
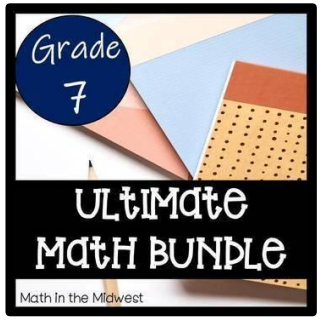
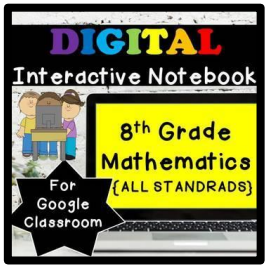
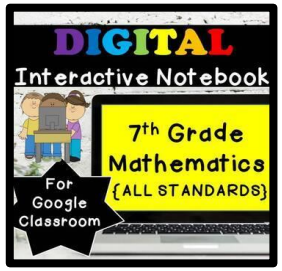
Ultimate Bundles:



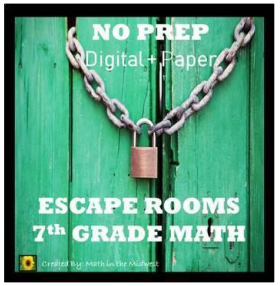


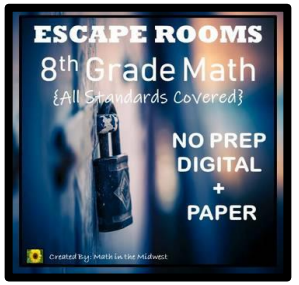
Digital Bundles:

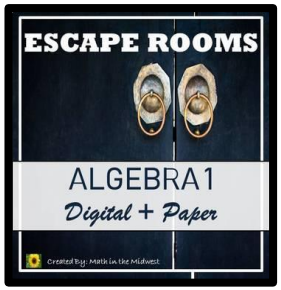




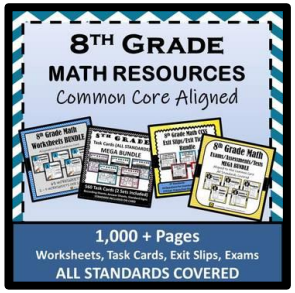
Escape Rooms:

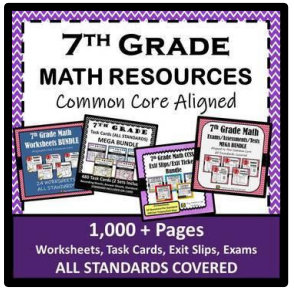






PDF Bundles:





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