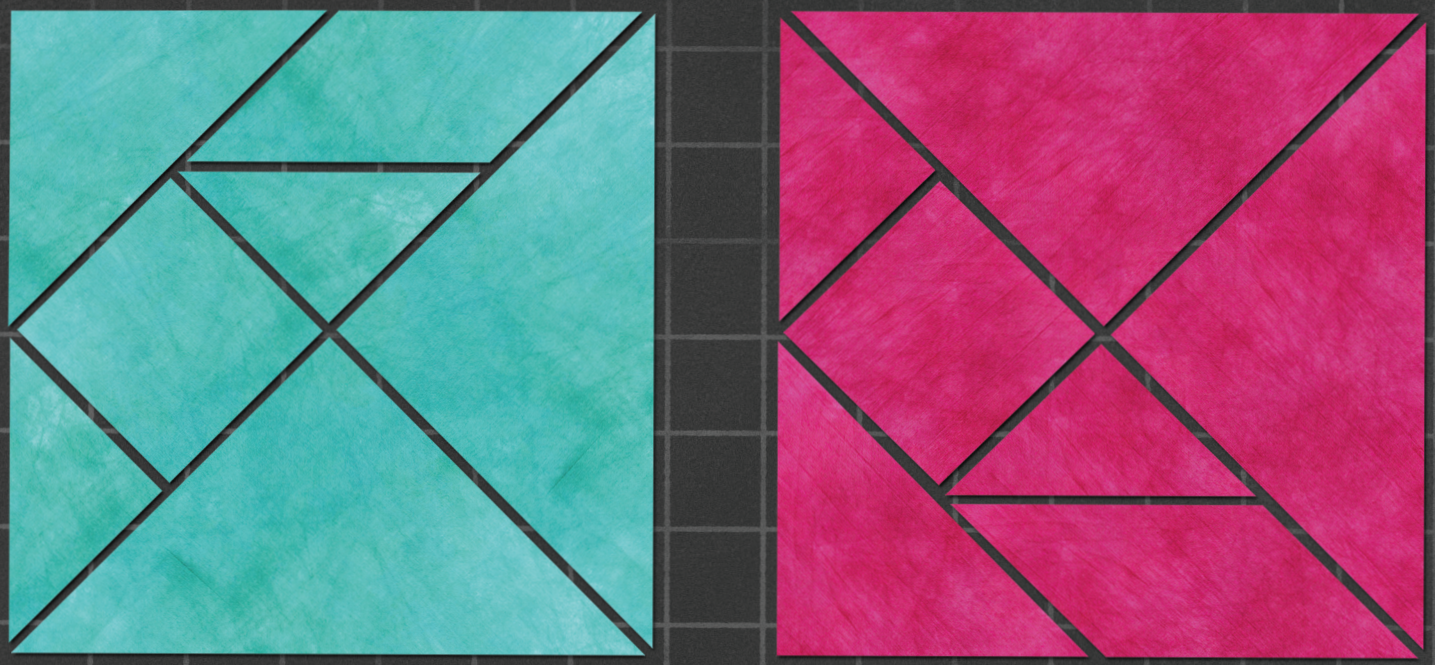
Cooperative learning task cards that promote critical thinking, problem solving, and spatial reasoning.

It Takes Two



to Tangram

- Two students
- Two tangram sets
- Too much fun!

It Takes Two to Tangram

Engage your students in fun cooperative learning tasks while activating critical thinking and problem solving skills. Your students will work in pairs using two sets of tangrams to construct various shapes. Each card has a primary task, as well as a "BONUS" task to keep your fast-finishers busy while others are still working. This resource has multiple classroom applications and can be successfully used with students of varying abilities and/or skill sets.

What's Included:

- Organizational and instructional tips
- 24 thought-provoking and engaging task cards
- Answer key
- Printable tangram shapes (in color and black-and-white)

Skills Covered:

- Geometry concepts and vocabulary: acute, obtuse, right, congruency, polygons, etc.
- Spatial reasoning
- Visual awareness
- Cooperative learning and communication
- Problem solving and critical thinking

PRINTING- PLEASE READ: This resource has been created to precisely fit 4 inch tangram sets. Please make sure that when printing you have page scaling set to "None", and that "Shrink to Fit" or other scaling options are not selected.

Questions or comments? Please email me at info@teacherthrive.com

Thank you for your purchase,

Melissa Tallman

preview

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It Takes Two to Tangram

Organizing Materials:

- Print the task card pages on card stock, cut in half, and laminate. You might consider making multiple sets in order to ease access for your students. For example, in my classroom, each table has its own set of task cards. I label the back of each task card with the table number to help keep them organized.
- Each pair of students will need two sets of tangrams. I recommend each student in a pair have a different color set from his/her partner. This will help to keep your sets organized and allow them to better follow the tasks.
- I have included printable tangram sets if you do not have a full class set. I recommend printing them on cardstock and laminating if possible. The most cost-effective printing option is to print the black and white patterned sets (small circles and swirls) that I have included. Just make sure that each student in a pair has a different pattern.

Instructional Tips:

- Give some thought on how you pair up your students. Avoid pairing "extremes" (e.g. low-achieving with high-achieving.).
- While these task cards can be used in centers or for independent work, they are also great for whole-group instruction. Place a task card on a digital presenter or an overhead for the whole class to see. Students can then begin working and raise their hands when they think they have an answer. The teacher can check student work while looking at the "Possible Answer Key" provided. Fast-finishers can then move on to the the "BONUS" task while other students continue to work.
- Encourage students to share their various solutions with other pairs, groups, or the whole class. There can be a variety of answers and students love to see how others solved a problem differently.

preview

Two to Tangram

21

Each of you contribute 5 pieces and form a hexagon.

BONUS:

Make a second hexagon using all of the leftover pieces.

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Two to Tangram

22

You and your partner form a pentagon using all of the pieces from each of your tangram sets.

BONUS:

Count the number of right, obtuse, and acute angles.

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Preview

Two to Tangram

17

Each of you use the exact same 4 pieces from your sets (total of 8) and form a triangle.

BONUS:

Create a rectangle using all of the leftover pieces.

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Two to Tangram

18

Using at least 9 pieces, you and your partner form a triangle.

BONUS:

Using exactly 10 or 11 pieces, form a triangle with your partner.

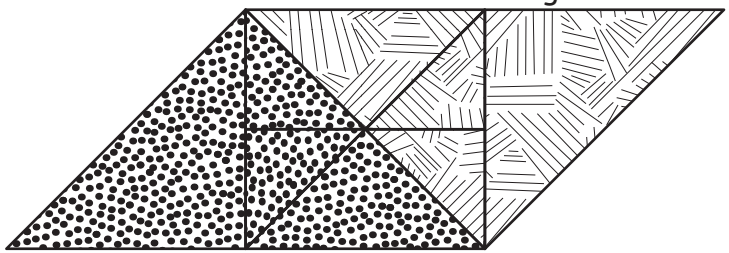
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Preview

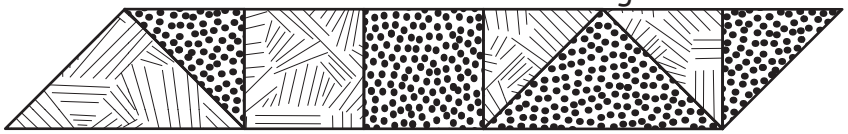
Two to Tangram ~Possible Solutions~

9

Area = 16 small triangles

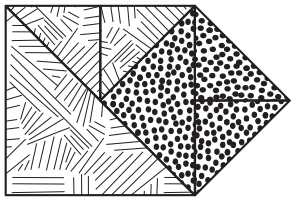


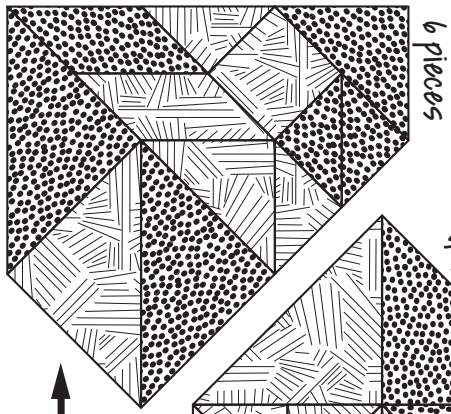
Area = 12 small triangles



BONUS: Yes, see above.

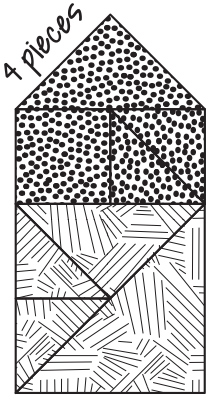
10





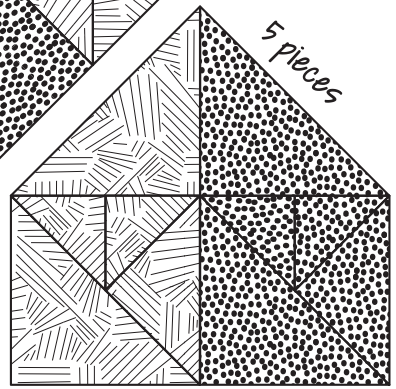
6 pieces

4 pieces



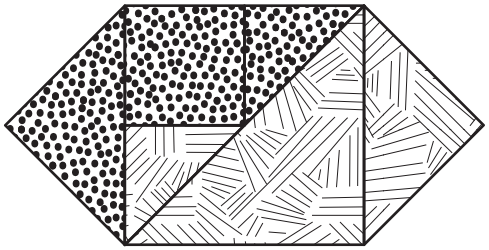
BONUS:

5 pieces

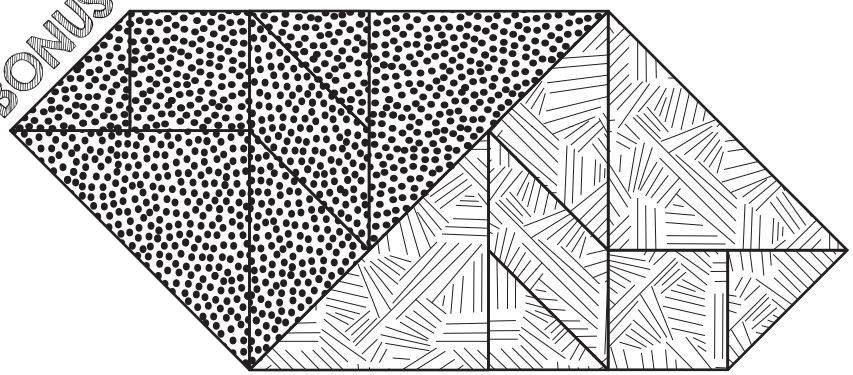


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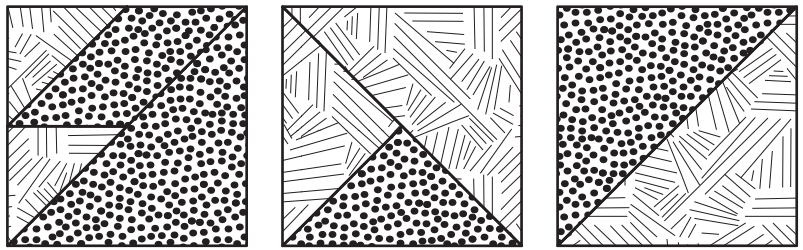
11



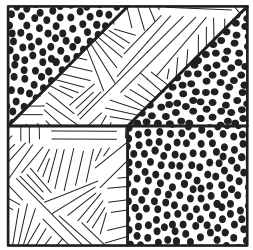
BONUS:



12



BONUS:

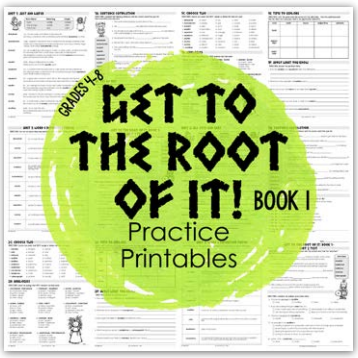


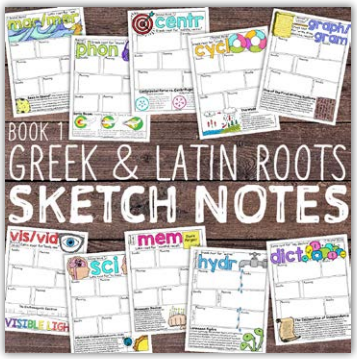
TEACHER thrive

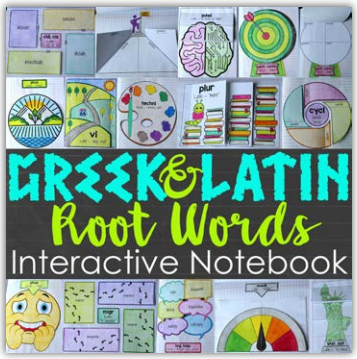
Helping teachers thrive, not just survive, in education

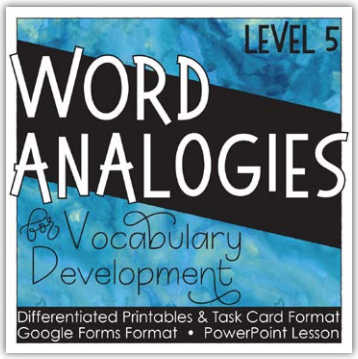
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VOCABULARY RESOURCES

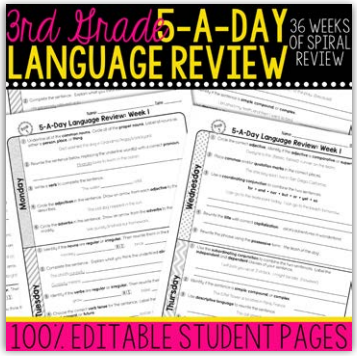


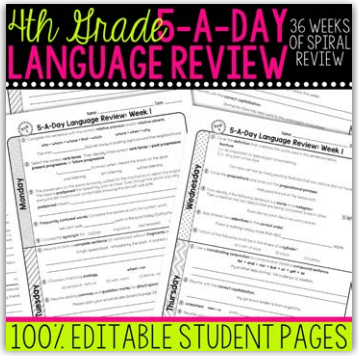


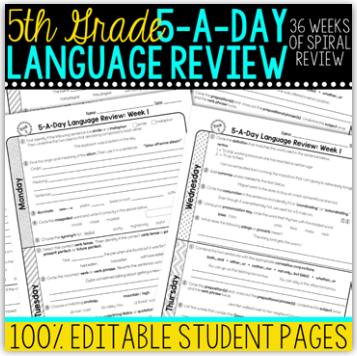


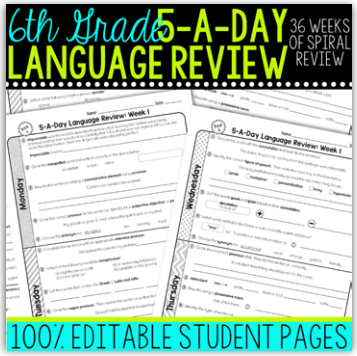


DAILY LANGUAGE REVIEWS (GRADES 3-8)

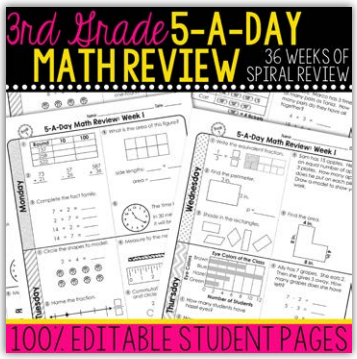


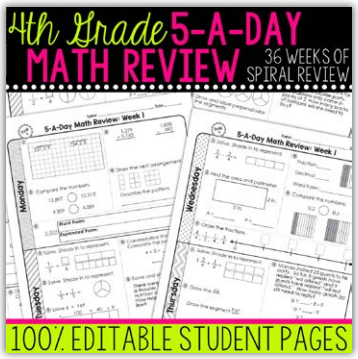


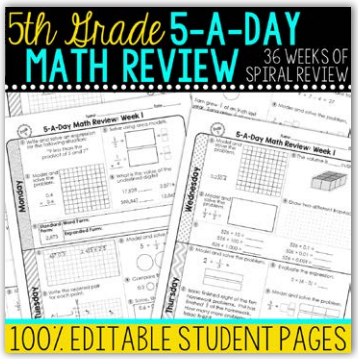


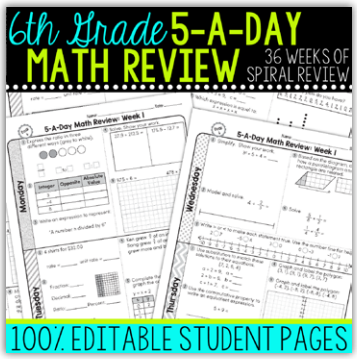


DAILY MATH REVIEWS (GRADES 3-6)









HANDS-ON MATH TILES



