

Pattern Block Fraction Task Cards

Pattern Blocks for older students?! You bet!!! Cultivate a deep understanding of fractions with this engaging, hands-on resource that your students will LOVE! There are 36 different cards in this set, and each one presents a unique, non-routine task using pattern blocks. Your students will utilize critical thinking and problem solving skills, all while developing a deep and solid grasp of fractions. Step away from the procedures and rules and engage students in a valuable and meaningful way!

What's Included:

- Organizational and instructional tips
- 36 thought-provoking and engaging task cards
- Student answer sheet for recording work
- Answer key
- Printable pattern block shapes (in color and black-and-white)

Skills Covered:

- Fractional relationships
- Equivalent fractions
- Basic operations (adding, subtracting, dividing, multiplying) with fractions applied within the context pattern blocks
- Spatial reasoning
- Problem solving and critical thinking

PRINTING- PLEASE READ: This resource has been created to precisely fit traditional pattern block pieces. 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 GotToTeach@icloud.com

Thank you for your purchase,
Melissa Tallman

<http://www.teacherspayteachers.com/Store/Got-To-Teach>

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Pattern Block Fraction Task Cards

Organizing Materials:

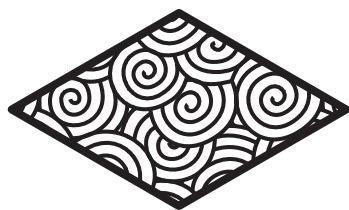
- Print the task card pages on card stock, cut in half, and laminate. You might consider making multiple sets in order to ease access for your students. For example, in my classroom, each table has its own set of task cards. I label the back of each task card with the table number to help keep them organized.
- Copy the student "Answer Sheets" double sided; Cards 1-18 answers will go on the front and cards 19-36 will go on the back.
- Students can work in any order they like, though the first few cards are generally easier than the succeeding ones.
- Students do not need to complete all 36 task cards before having their work corrected. I usually collect answer sheets to correct a couple of times a week. If a card is correct, I "star" it. If there is a mistake, I mark the card number on the answer sheet with a small dot. Students know that the dot means they need to go back to that task card. Once they get it correct, I simply draw a star over the dot.

Instructional Tips:

- Depending on the ability level of your students, you may need to start off with modeling various strategies that can be used to solve these task cards. Using actual pattern block pieces, show the students how to arrange and compare them to find the answers. These "think aloud" lessons are a great way to help students to be successful with this resource.
- Less advanced students can be paired up and work cooperatively. More advanced students can attempt the tasks without using the physical pattern blocks.
- Encourage discussion! These task cards present the perfect opportunity for students to explain and justify their answers. E.g. Ask students to explain and/or prove how they know "this piece" is $\frac{3}{4}$ of "that piece." Sharing can be done in a whole-group setting, within small groups, or with a partner.
- Don't worry if you notice that some students are getting a little frustrated. Keep in mind that these problems are non-routine and can therefore be solved in multiple ways. While this presents an extra challenge for students who feel uncomfortable making decisions or straying from repetitive procedures, allowing them to grapple with such varied situations will build confidence and problem-solving skills. Provide support as needed.

Pattern Block Fractions

27



$$= \frac{6}{7}$$



$$= \underline{\hspace{2cm}}$$

b.



$$= \underline{\hspace{2cm}} \cdot \underline{\hspace{2cm}}$$

c.



$$= \underline{\hspace{2cm}}$$

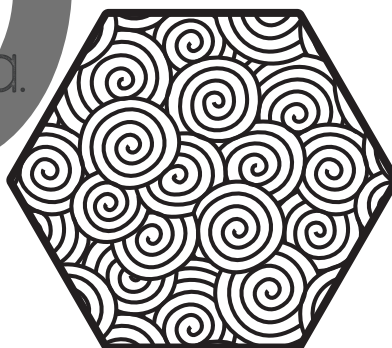
Pattern Block Fractions

28



$$= \frac{7}{8}$$

a.



$$= \underline{\hspace{2cm}}$$

b.



$$= \underline{\hspace{2cm}}$$

c.



$$= \underline{\hspace{2cm}}$$

Pattern Block Fractions

5



$$= 3$$

a.



$$=$$

b.



$$=$$

c.



$$=$$

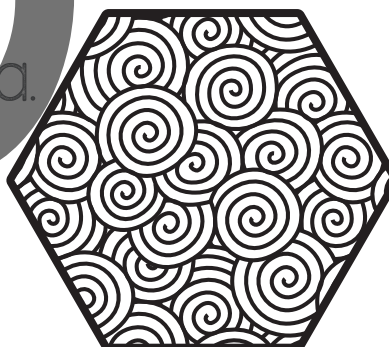
Pattern Block Fractions

6



$$= \frac{1}{3}$$

a.



$$=$$

b.



$$=$$

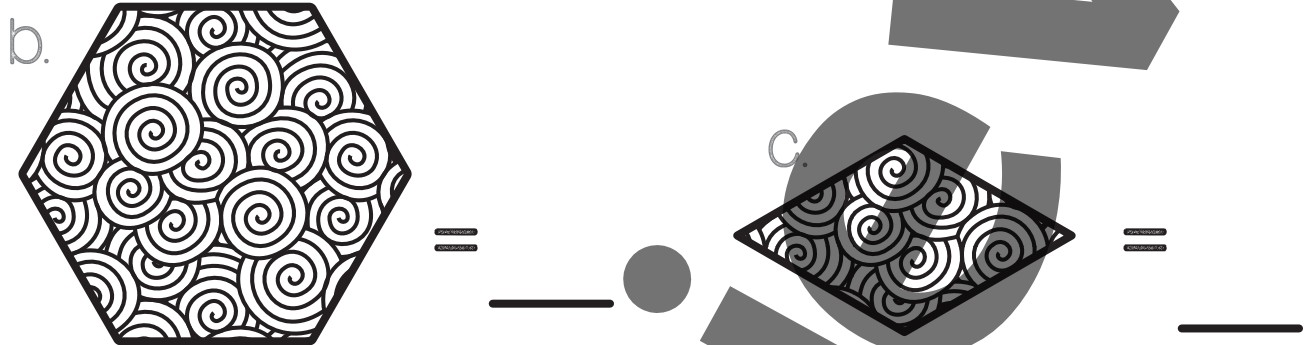
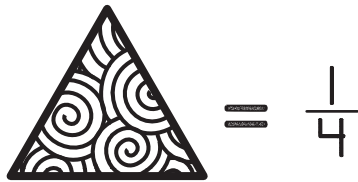
c.



$$=$$

Pattern Block Fractions

15



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Pattern Block Fractions

16



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Pattern Block Fraction Task Cards Answer Sheet

Name: _____

Card 3	a.
b.	c.

Card 4	a.
b.	c.

Card 5	a.
b.	c.

Card 6	a.
b.	c.

Card 7	a.
b.	c.

Card 8	a.
b.	c.

Card 9	a.
b.	c.

Card 10	a.
b.	c.

Card 11	a.
b.	c.

Card 12	a.
b.	c.

Card 13	a.
b.	c.

Card 14	a.
b.	c.

Card 15	a.
b.	c.

Card 16	a.
b.	c.

Card 17	a.
b.	c.

Card 18	a.
b.	c.

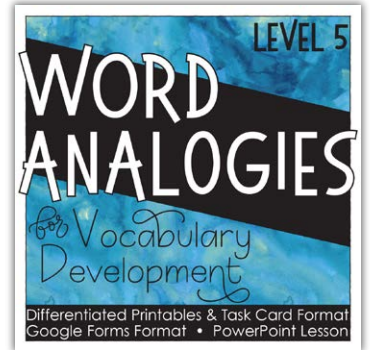
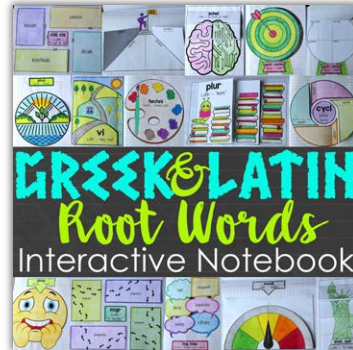
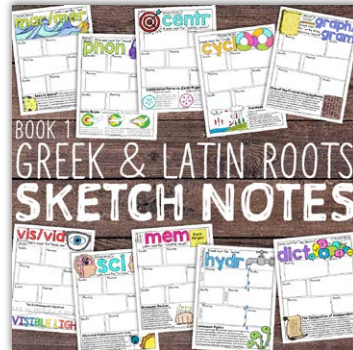
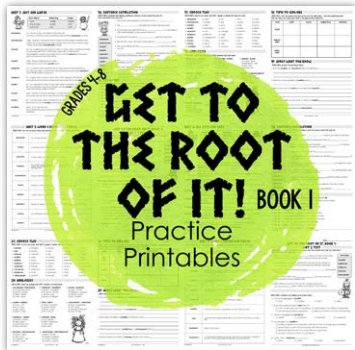


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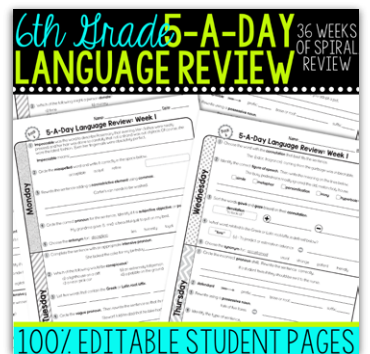
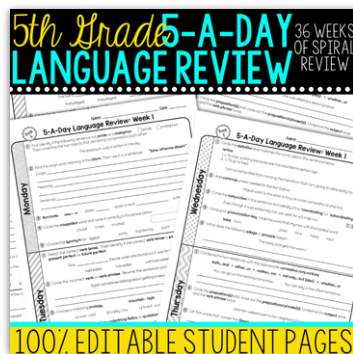
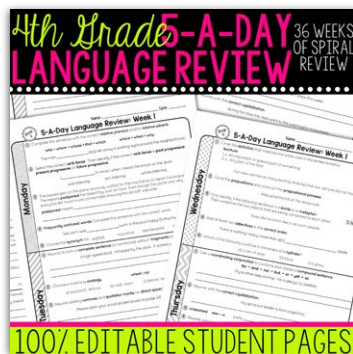
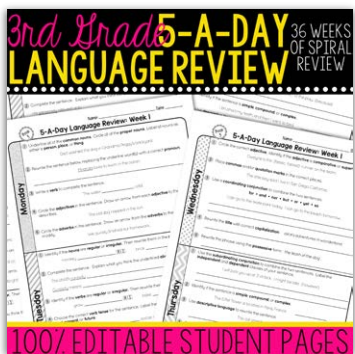


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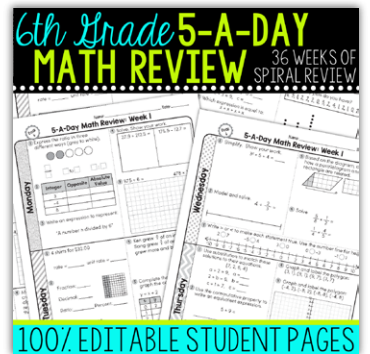
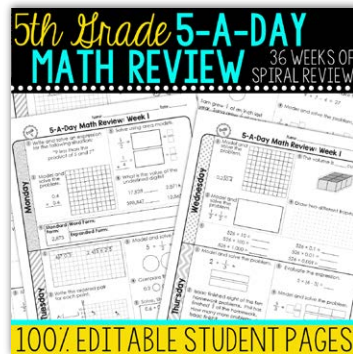
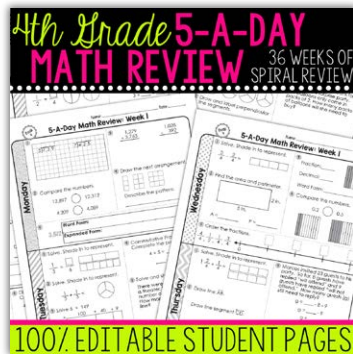
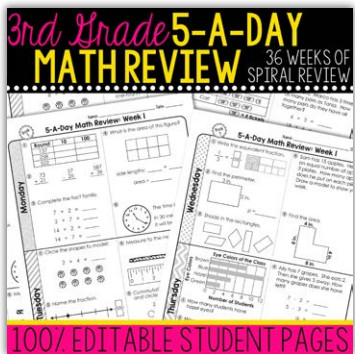
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DAILY LANGUAGE REVIEWS (GRADES 3-8)



DAILY MATH REVIEWS (GRADES 3-6)



HANDS-ON MATH TILES

