

Trapped in a Trapezoid!

Here's how you found your way out.

Pattern Blocks

- square
- trapezoid

- triangle
- hexagon
- rhombus

Which trapezoid is bigger?

A

B

Which trapezoid is bigger?

A

B

Make a hexagon by placing triangle pattern blocks on the mat.

Guess how many you'll use. Count them as you go.

We're Shaping Up!

Hiding Hexagons

Trapped Trapezoids

Finding them is a challenge!

Rhombus Race

Trapezoid Tower

"Rock Up A Stack" Recording Sheet

Pattern Block Booklet

Can you make these triangle trees?

small medium large

- 1 trapezoid
- 2 hexagons
- 3 rhombuses
- 4 triangles
- 5 squares
- 6 rhombuses

Kaboom!

Do you know your pattern blocks?

Shape Hunt

Rock Up A Stack

- 1 trapezoid
- 2 hexagons
- 3 rhombuses
- 4 triangles
- 5 squares
- 6 rhombuses

Name: _____

Spin to Win!

Name: _____

Spin to Win!

Blank

100% Pattern Block!

Blank

100% Pattern Block!

Shapes

Inside Shapes

Shapes

Inside Shapes

1 2 3 4 5 6 7 8 9 10

Name: _____

Name: _____

Name: _____

Blank

100% Pattern Block!

Blank

100% Pattern Block!

2 I spy two _____ inside the square.

2 I spy two _____ inside the square.

2 I spy a _____ triangle inside the _____.

2 I spy a _____ triangle inside the _____.

2 I spy a _____ triangle inside the _____.

2 I spy a _____ triangle inside the _____.

- Choose any 5 crayon or marker colors.
- Color each set of shapes the same color.
- For example, all the hexagons will be yellow, while all of the triangles will be green.
- Color the shape on the graph to match.
- To make a bar graph, color one box.

Congratulations!

You can identify pattern block shapes.

Graphing Time

Which is your favorite pattern block color?

Graphing Time

Which is your favorite pattern block shape?

triangle

square

hexagon

trapezoid

square

hexagon

trapezoid

Pattern Block Fun

Count and name each shape in the big triangle.

Tripping Over Triangles!

Count and name each triangle in the big triangle.

1 2 3 4 5 6 7 8 9

You're surrounded by a square! Can you find your way out?

You're surrounded by a square! Can you find your way out?

You're trapped in a triangle! Can you find your way out?

You're trapped in a triangle! Can you find your way out?

It's so easy to be in a hexagon! Can you find your way out?

You're surrounded by a square! Can you find your way out?

Ready? Set. Get out of the hexagon!

Ready? Set. Get out of the hexagon!



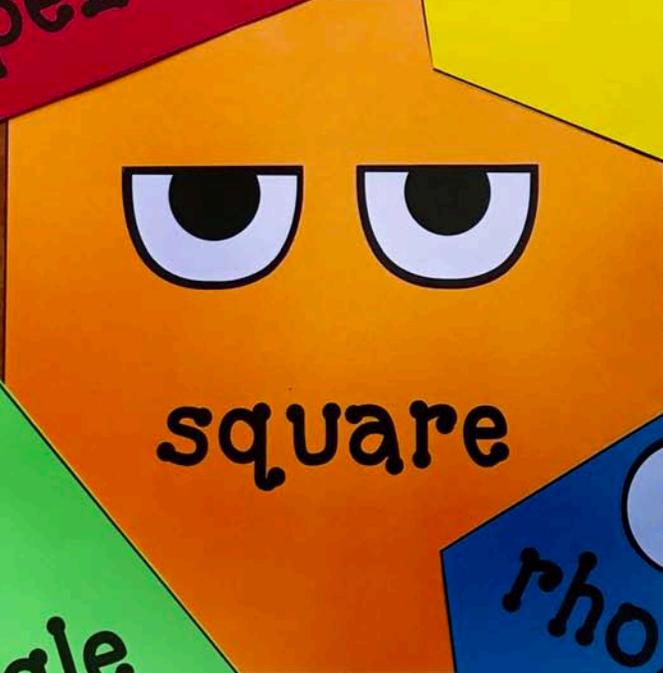
rhombus



trapezoid



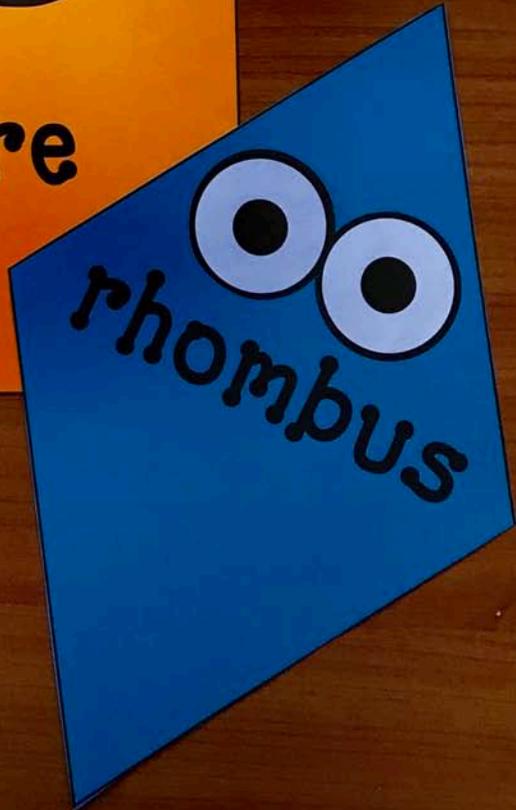
hexagon



square

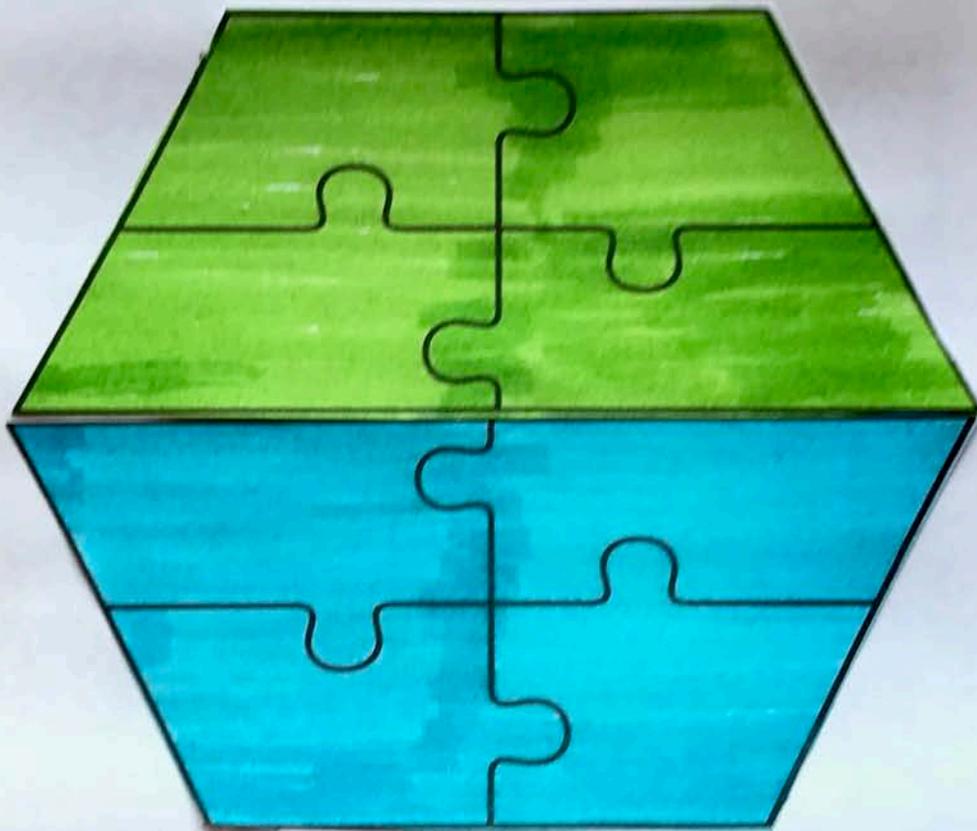


triangle



rhombus

Name: Diane

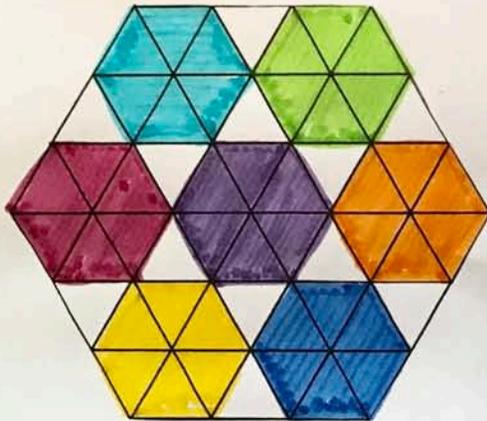


I made a hexagon out of two
trapezoids.

Name: **Kaiden**

There are hexagons hiding! How many can you find?
Trace their outline, color them in, then count your total.
Rule: No sharing of the triangles. Each hexagon has to be complete.

Hiding Hexagons



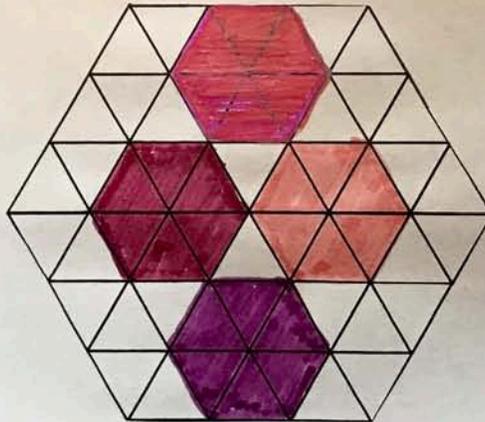
I found



Name: **Kelliah**

There are hexagons hiding! How many can you find?
Trace their outline, color them in, then count your total.
Rule: No sharing of the triangles. Each hexagon has to be complete.

Hiding Hexagons



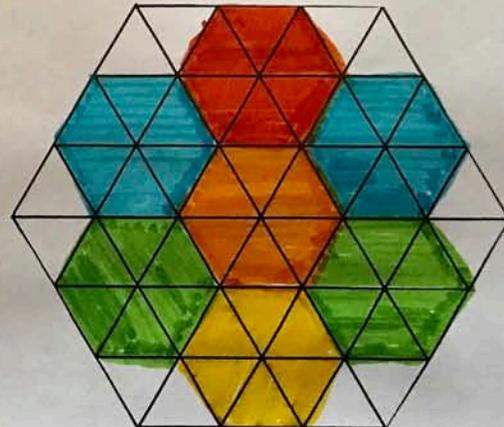
I found



Name: **Joshua**

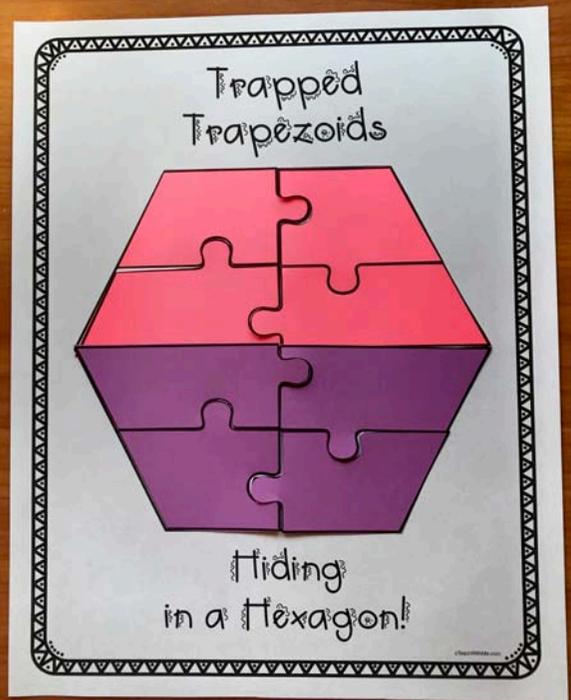
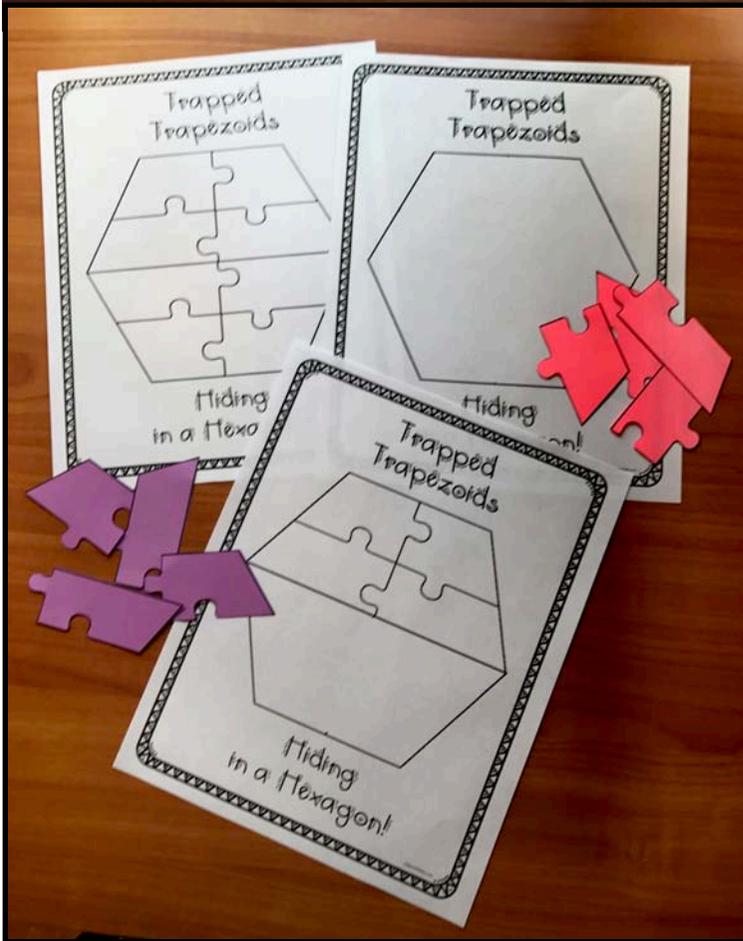
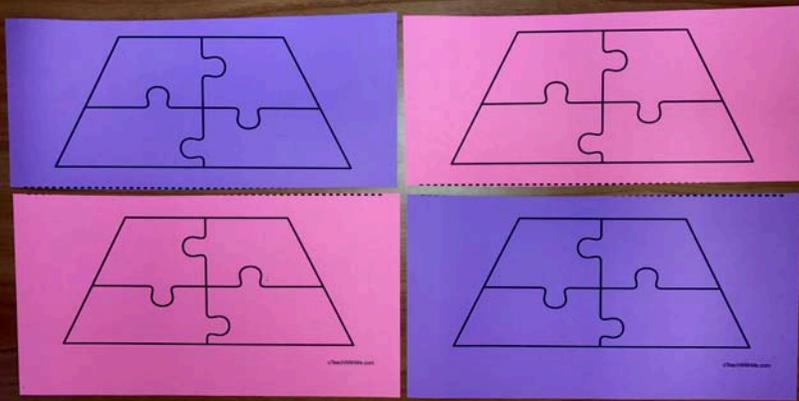
There are hexagons hiding! How many can you find?
Trace their outline, color them in, then count your total.
Rule: No sharing of the triangles. Each hexagon has to be complete.

Hiding Hexagons



I found





“Trapped Trapezoids Hiding in a Hexagon” center game. So that the 2 trapezoids “pop”, print the pattern off on 2 colors; laminate & cut out individual pieces. The top of one color will go to the bottom of the other color, then flipped to make two different puzzles. Store each one in its own Ziplock Baggie. There are 3 base patterns to choose from that students lay the pieces on.

Place two square pattern blocks on the number.

two two _____
2 2 2 2 _____
square _____

They are orange.
orange

Place three trapezoid pattern blocks on the number.

three three _____
3 3 3 3 _____
trapezoid _____

They are red
red

Place four big rhombus pattern blocks on the number.

four four _____
4 4 4 4 _____
rhombus _____

They are blue
blue

Place five small rhombus pattern blocks on the number.

five five _____
5 5 5 5 _____
rhombus _____

They are beige.
beige

Place nine triangle pattern blocks on the number.

nine nine _____
9 9 9 9 _____
triangle _____

They are green.
green

Place 5 small and 5 large rhombus pattern blocks on the number.

ten ten _____
10 10 10 10 _____
rhombus _____

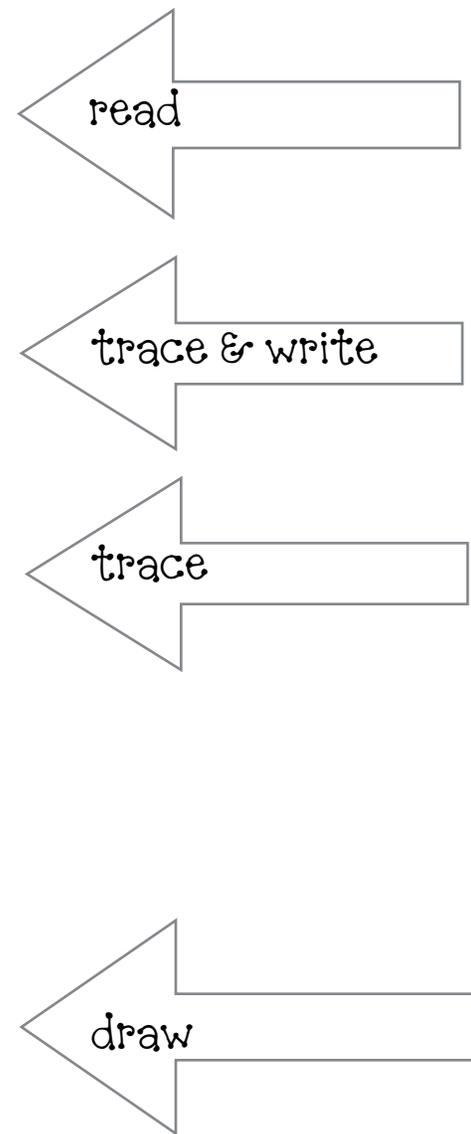
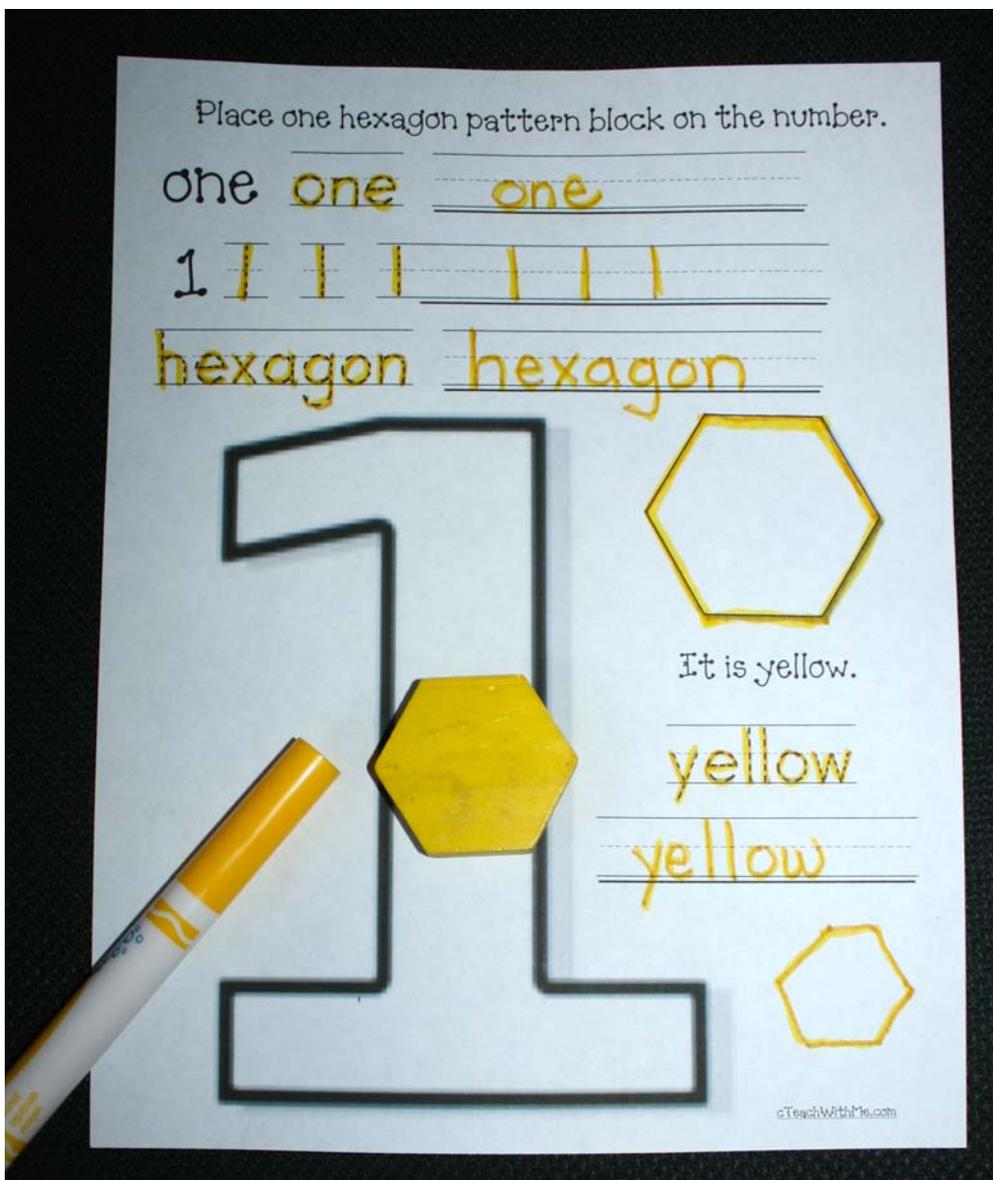
blue
beige

Place one hexagon pattern block on the number.

one one _____
1 1 1 1 1 1 1 1 _____
hexagon hexagon

It is yellow.
yellow
yellow

**Number Fun With
Pattern Blocks**



You can use these pattern block-number pages in a variety of ways: Print; laminate and trim. Use them as anchor chart posters.

Make a set to use for a whole group center activity. To strengthen upper body muscles, have students lay on their tummies in a row or rows, depending on how many students you have. Pass out the pattern page mats in numerical order. Give each child some blocks and dry erase markers. When everyone has completed their page, read them aloud and then count.

Make a few laminated booklets to keep in your math center. A single child can work on doing all of the pages.

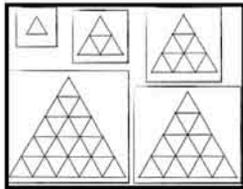
Run off the pages and make a class booklet. Instead of using real wooden pattern blocks have students draw or trace the pattern pieces onto their page. If you have access to an Ellison die cut machine (they have all the pattern pieces to scale.) students can glue paper pieces to their page. (You can also laminate the appropriate colors of paper, cut into fourths, cut with the die cut and bag up your pieces, so that you have plenty of paper manipulatives for all sorts of activities.)

After students have shared their page, collect, collate and make into a class book. I've included a cover page if you want to do this.

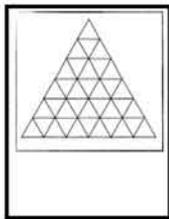
I'd have students trace and write in the matching color of the pattern block. To cover a few more standards you could have students underline the capital letters and circle the punctuation.

FYI Triangle Printables.

There are a variety of things you can do with the various sizes of "triangle trees".

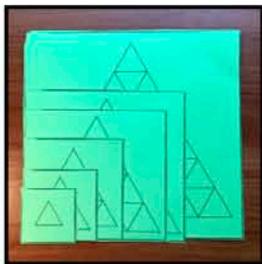


There are 6 cards, from a small, single triangle to the largest tree card on a one page pattern.



Print on green construction paper, laminate and trim around the squares.

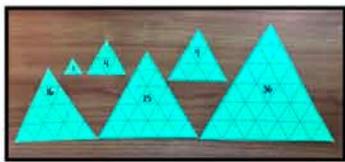
Children sort and arrange them from the smallest to the largest, or from the largest to the smallest.



Students can also stack the "boxes" vertically to make a tower.

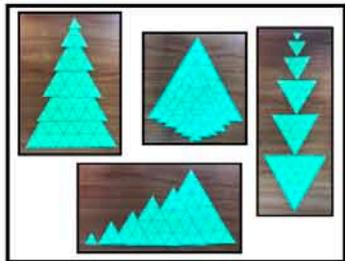


You can also run off just the first pattern page and have students color and cut out the 5 different size boxes, then collate them into a flip booklet by stapling the pages together in the bottom right hand corner.

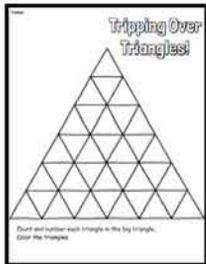


Get in some counting, by having students count how many triangles in each block, then write that number inside one of the triangles.

Make an additional set and cut out the triangles. Have students arrange them in a variety of patterns using the mini photo cards.



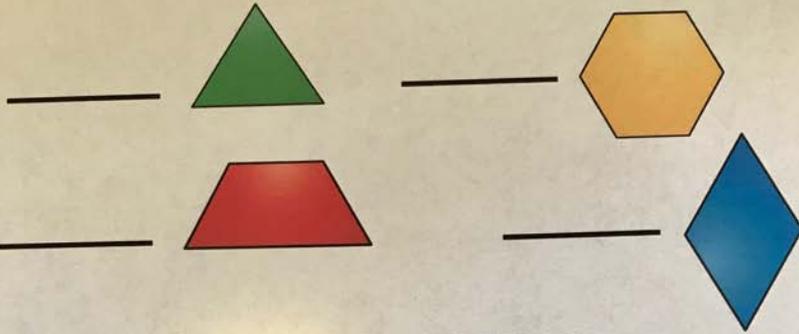
I've also provided a "Tripping Over Triangles" worksheet, where students count and write that number in each triangle, then color.



- To make coloring the individual triangles more fun, make it a game.
- Have students pick a partner and take turns rolling a dice.
- Whatever number they roll, they color in that many triangles.
- The first student to fill in their entire page is the winner.
- Encourage children to use lots of colors, as completed projects will make a nice bulletin board display.

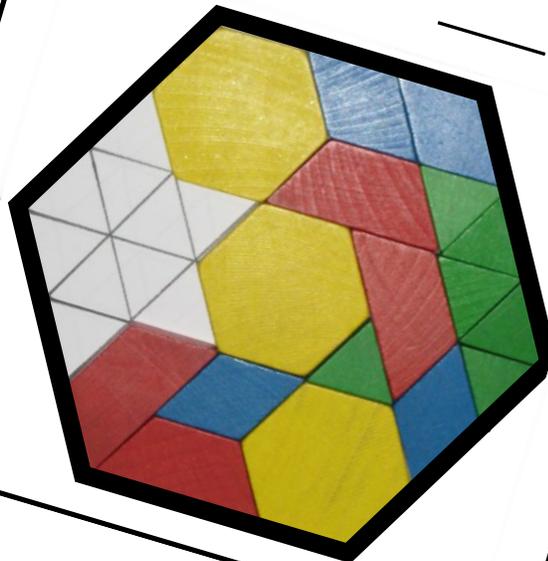
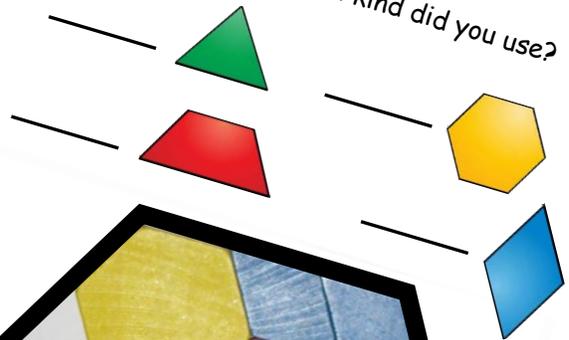
"Fill It Up!"

How many of each kind did you use?



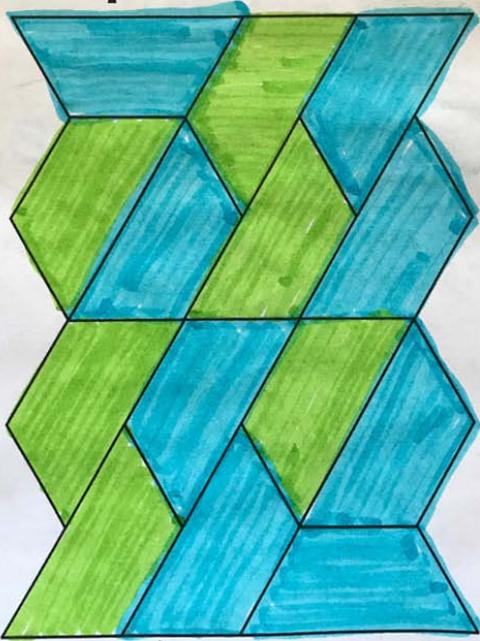
"Fill It Up!"

How many of each kind did you use?



Name: **Kiesha**

Trapezoid Tower



Total: **14** **6** **8**

 even **6**

 odd **8**

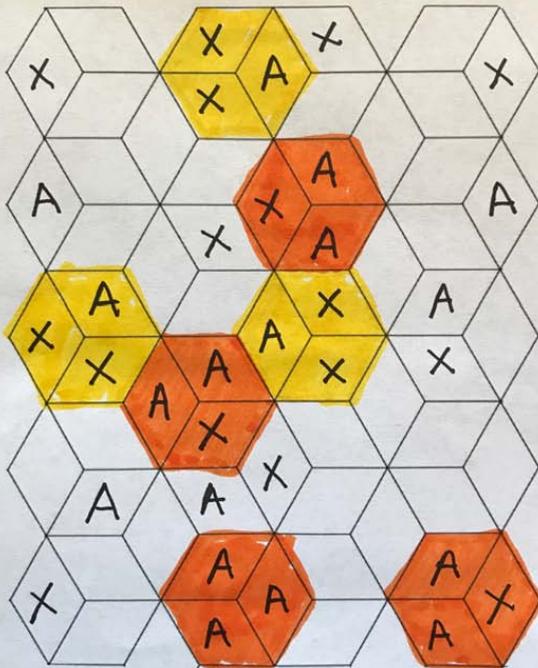
$$6 < 8$$

$$8 > 6$$

"Trapezoid Tower" is an odd & even dice game.

Name: **Xaver** **Amanda**

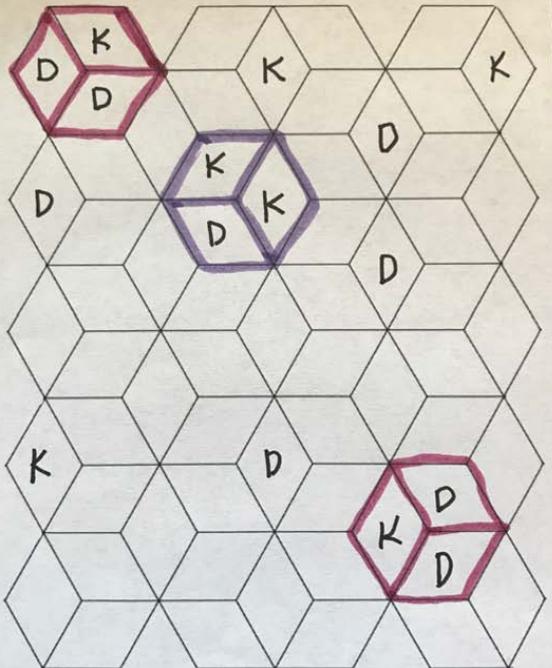
Rhombus Race



Total:

Name: **Kaiden** **Dora**

Rhombus Race



Total:

"Hexed" & "Cubed" are two of the 3 ways to play the "Rhombus Race" game.

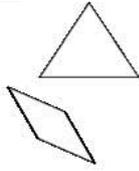
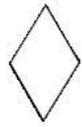
Pattern



Block



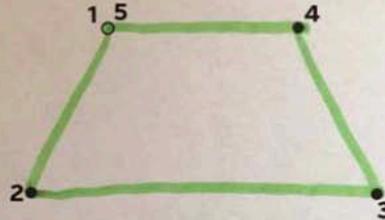
Fun



This Booklet Made By:

Name: **Daniel**

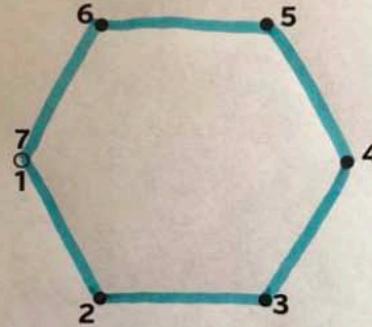
Connect the dots and name the shape.



trapezoid

Name: **Gabriel**

Connect the dots and name the shape.



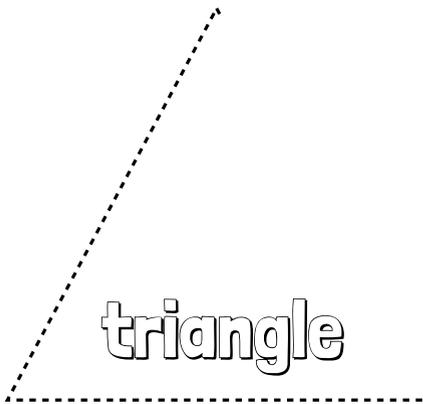
hexagon

There are 4 mini worksheets on a one-page pattern.

You can run them off and trim as individual "eensy weensy" worksheets, or have children combine them into a "just-the-right-size" booklet.

Name:

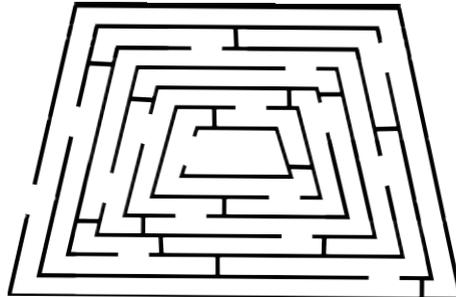
Finish drawing the triangle then color it.



triangle

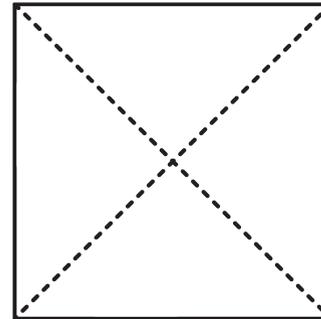
Name:

You're trapped in a trapezoid!
Can you find your way out?



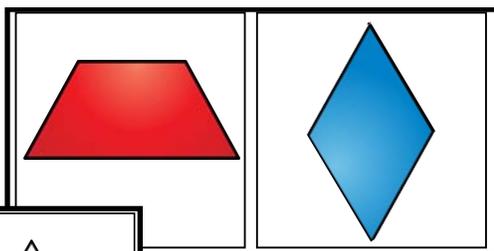
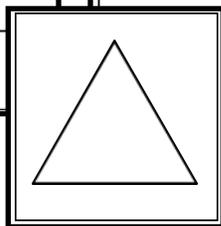
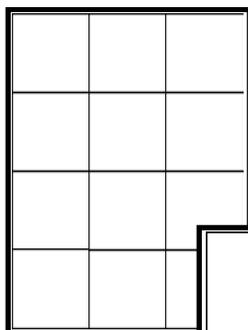
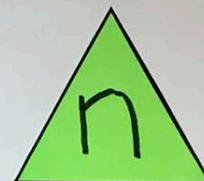
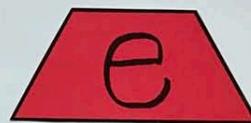
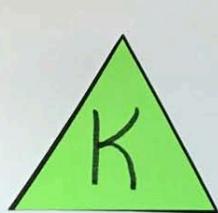
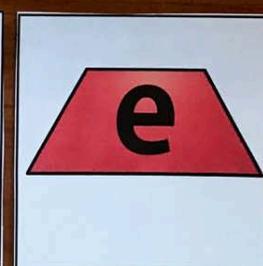
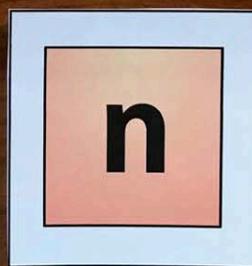
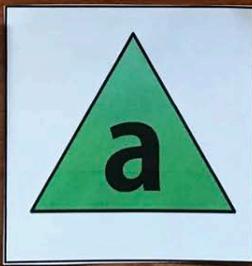
I spy _____ triangles
inside the _____.

Color each a different color.



Make a booklet with just the "connect the dots" pages, or mix and match them with the "finish drawing" ones, or the "pattern-within-a pattern" pages, or the "maze craze" ones.

I've provided several covers to choose from.



Use the square patterns above (color + black & white) to make a pattern block "arrange & spell your name" activity. Then glue it to a paper strip.

I've also included a separate pattern page for each shape, so you can run the templates off on construction paper. Students then choose however many pieces they need to complete their name, trim, arrange on a paper strip, glue and write a letter in each shape.