

Name: \_\_\_\_\_

**Spin to Win!**

Name: \_\_\_\_\_

**Spin to Win!**

Name: \_\_\_\_\_

Name: \_\_\_\_\_

Block

1 egg & Pattern Block

Block

1 egg & Pattern Block

Shapes

Inside Shapes

Shapes

Inside Shapes

1 egg two inside the square

1 egg two inside the square

1 egg \_\_\_\_\_ triangles inside the square

1 egg \_\_\_\_\_ triangles inside the square

1 2 3 4 5 6 7 8 9 10

Name: \_\_\_\_\_

1 egg & Pattern Block

1 egg & Pattern Block

**Graphing Time**  
Which is your favorite pattern block color?



**Graphing Time**  
Which is your favorite pattern block shape?



**Congratulations!**

can identify pattern block shapes.

Name: \_\_\_\_\_

**Pattern Block Fun**

**Tripping Over Triangles!**

Count and number each triangle in this big triangle.  
Enter the triangles.

1 2 3 4 5 6 7 8 9

1 2 3 4 5 6 7 8 9

Ready? Set. Get out of the rhombus!

Ready? Set. Get out of the rhombus!

Ready? Set. Get out of the rhombus!

Ready? Set. Get out of the rhombus!

You're trapped in a triangle! 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?

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

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

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

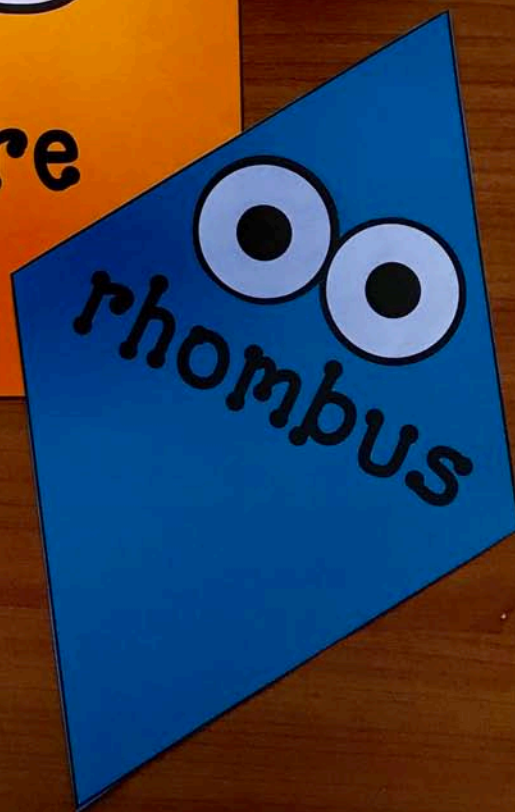
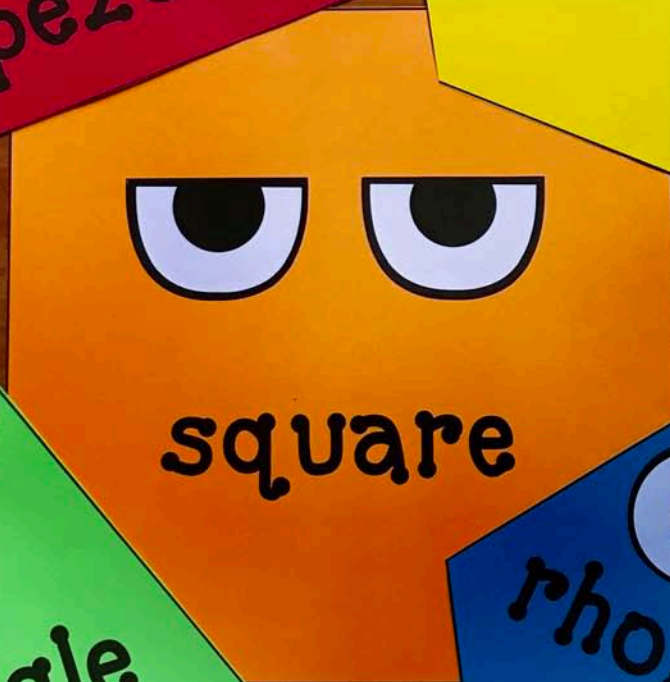
You're trapped in a hexagon! Can you find your way out?

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

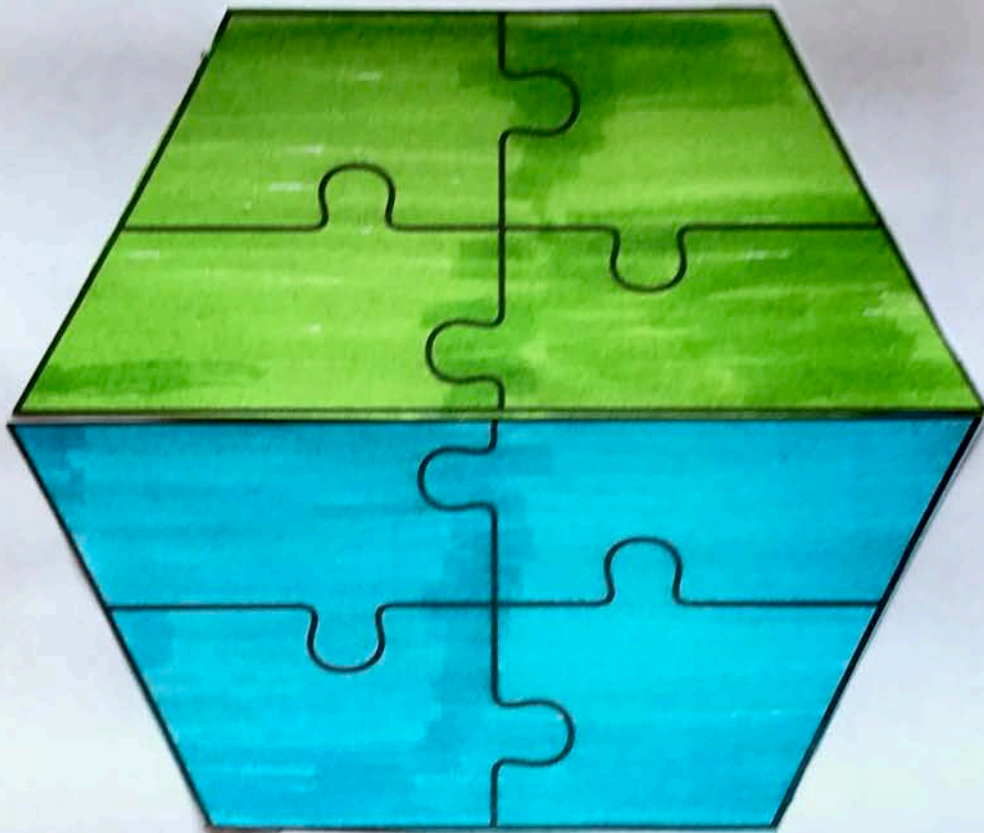
You're trapped in a hexagon! Can you find your way out?

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





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

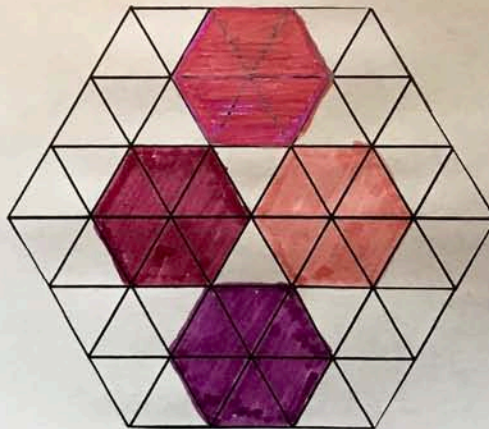


Name: **Kelliah**

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

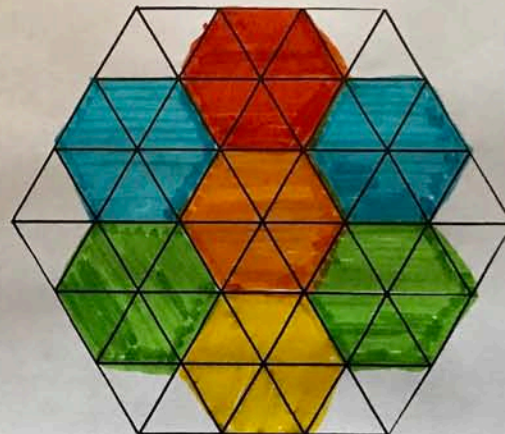


Name: **Joshua**

There are hexagons hiding! How many can you find?  
Trace their outline, color them in, then count your total.

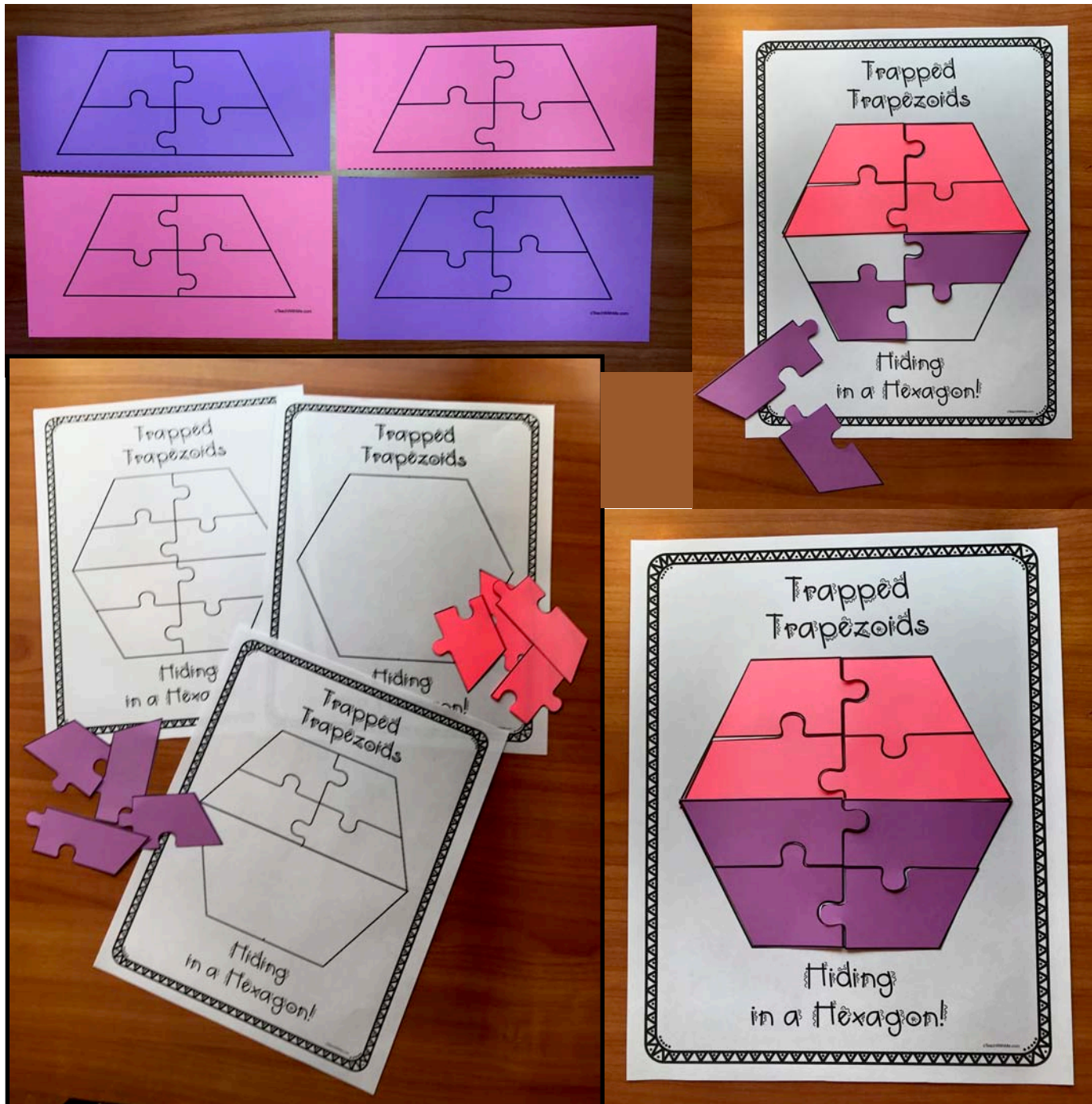
Rule: No sharing of the triangles. Each hexagon has to be complete.

### Hiding Hexagons



I found



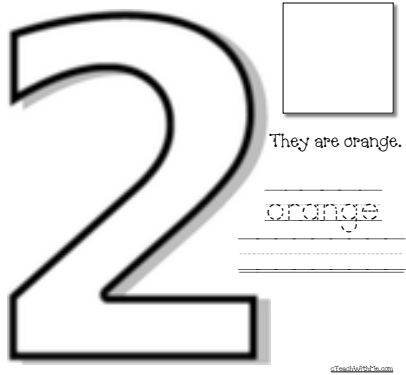


**“Trapped Trapezoids Hiding in a Hexagon”** center game. So that the 2 trapezoids “pop”, print the pattern off on 2 colors; laminate & cut out individual pieces. The top of one color will go to the bottom of the other color, then flipped to make two different puzzles. Store each one in its own Ziplock 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 \_\_\_\_\_



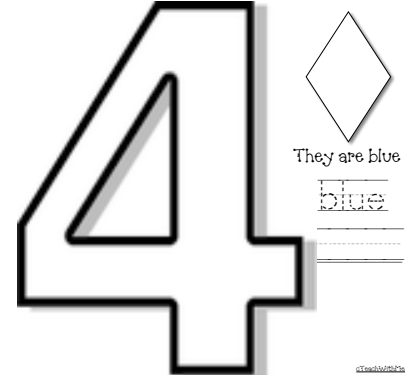
Place three trapezoid pattern blocks on the number.

three three \_\_\_\_\_  
3 3 3 3 \_\_\_\_\_  
trapezoid \_\_\_\_\_



Place four big rhombus pattern blocks on the number.

four four \_\_\_\_\_  
4 4 4 4 \_\_\_\_\_  
rhombus \_\_\_\_\_



Place five small rhombus pattern blocks on the number.

five five \_\_\_\_\_  
5 5 5 5 \_\_\_\_\_  
rhombus \_\_\_\_\_



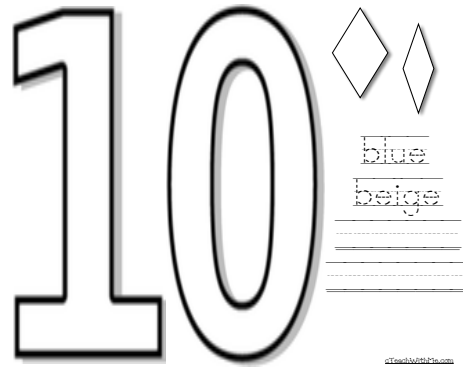
Place nine triangle pattern blocks on the number.

nine nine \_\_\_\_\_  
9 9 9 9 \_\_\_\_\_  
triangle \_\_\_\_\_



Place 5 small and 5 large rhombus pattern blocks on the number.  $5 + 5 = 10$  pattern blocks.

ten ten \_\_\_\_\_  
10 10 10 10 \_\_\_\_\_  
rhombus \_\_\_\_\_

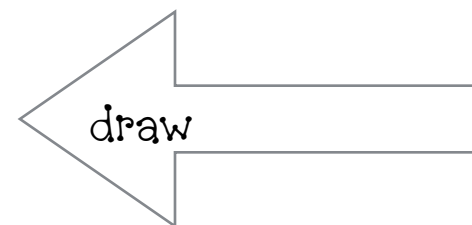
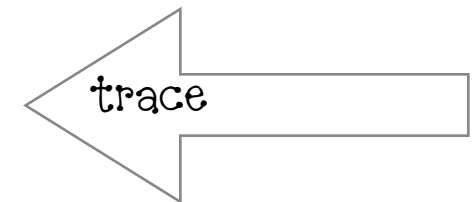
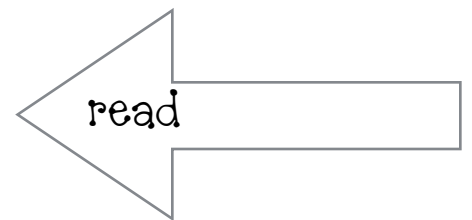


Place one hexagon pattern block on the number.

one one \_\_\_\_\_  
1 1 1 1 1 1 1 1 \_\_\_\_\_  
hexagon hexagon



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.)

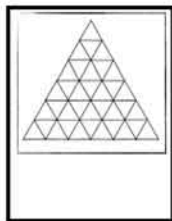
After students have shared their page, collect, collate and make into a class book. I've included a cover page if you want to do this.

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.

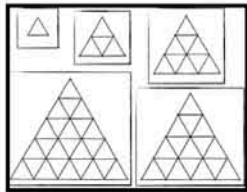


## FYI Triangle Printables.

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.



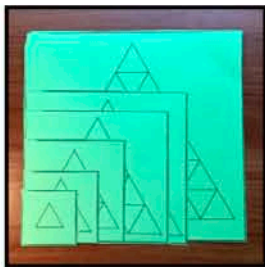
Print on green construction paper, laminate and trim around the squares.

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

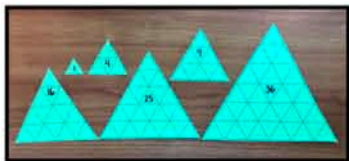


Students can also stack the "boxes" vertically to make a tower.

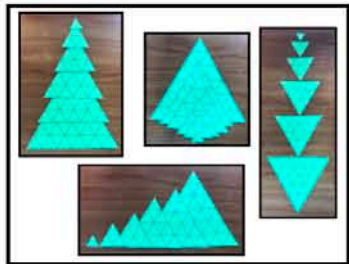
You can also run off just the first pattern page and have students color and cut out the 5 different size boxes, then collate them into a flip booklet by stapling the pages together in the bottom right hand corner.



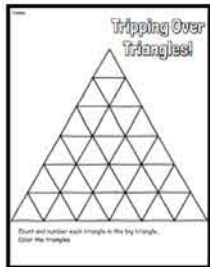
Get in some counting, by having students count how many triangles in each block, then write that number inside one of the triangles.



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.

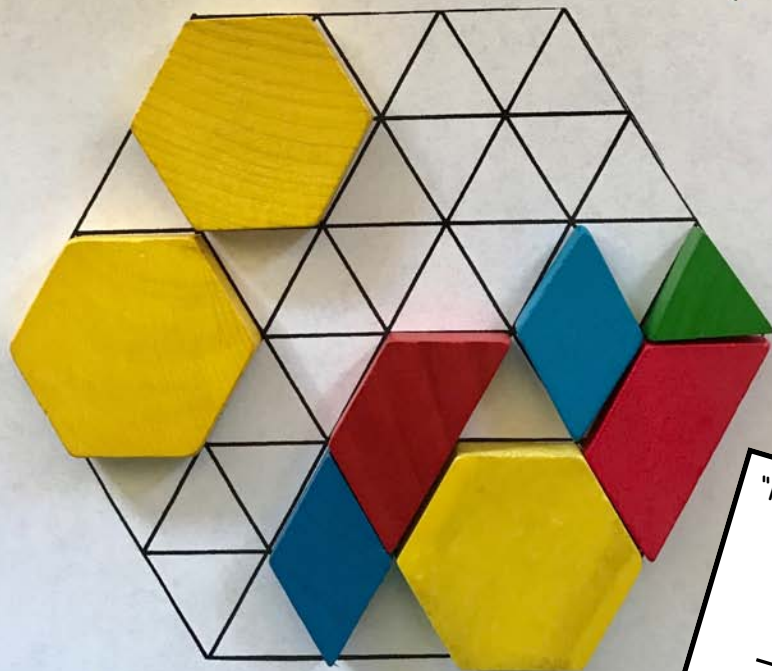
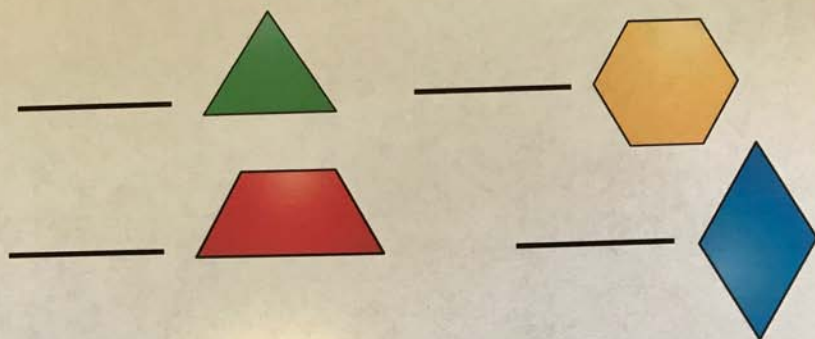
- Whatever number they roll, they color in that many triangles.

- 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.

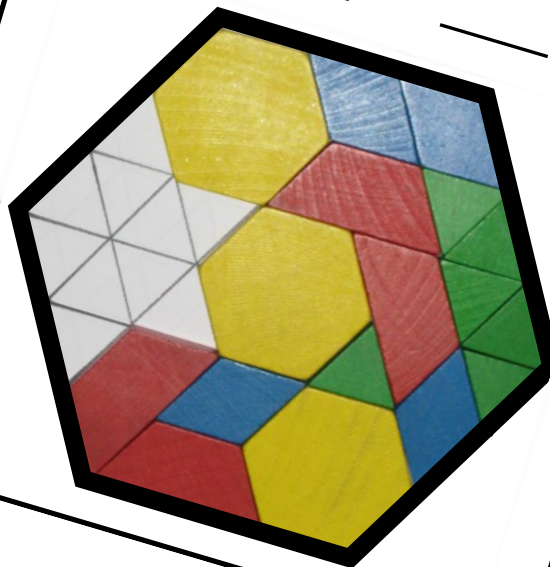
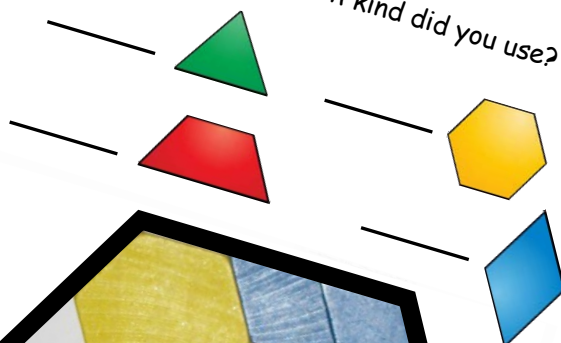
"Fill It Up!"

How many of each kind did you use?



"Fill It Up!"

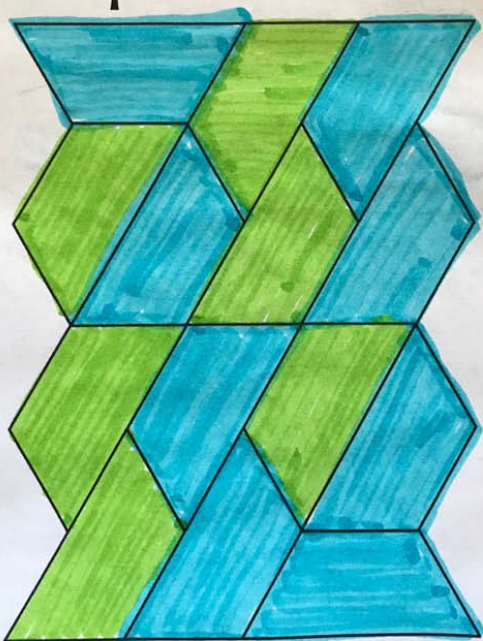
How many of each kind did you use?





Name: **Kiesha**

## Trapezoid Tower



Total: **14**      **6** **8**



even **6**



odd **8**

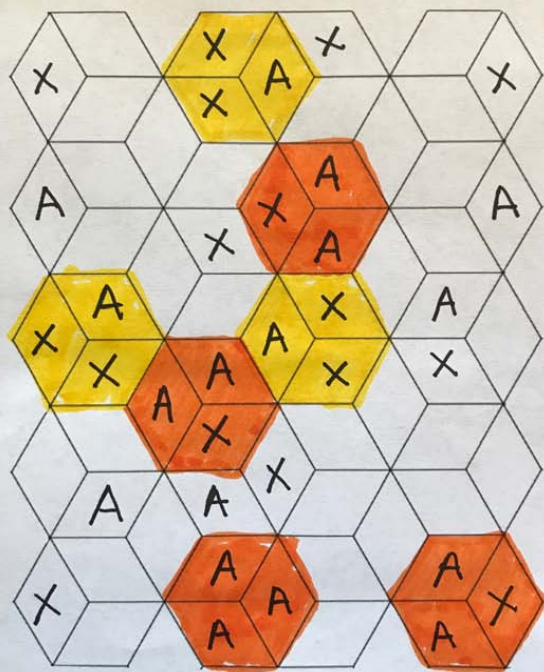
$$6 < 8$$

$$8 > 6$$

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

Name: **Xaveri** **Amanda**

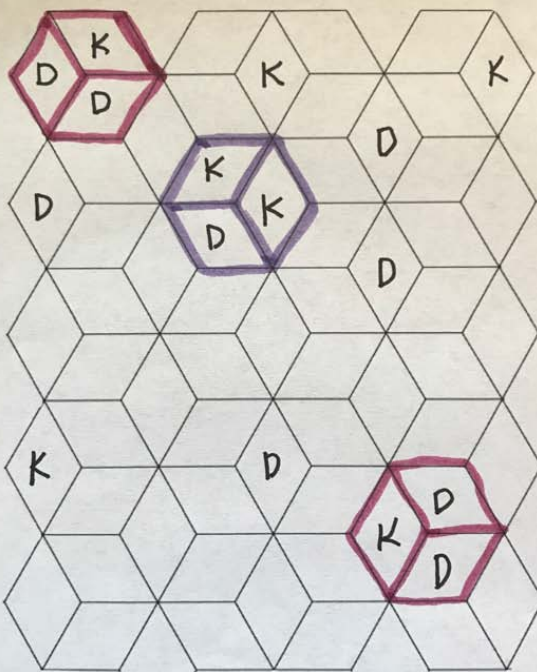
## Rhombus Race



Total:

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

## Rhombus Race



Total:

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

# Pattern

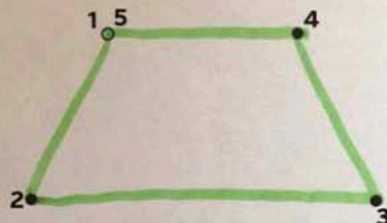
## Block

## Fun

This Booklet Made By:

Name: **Daniel**

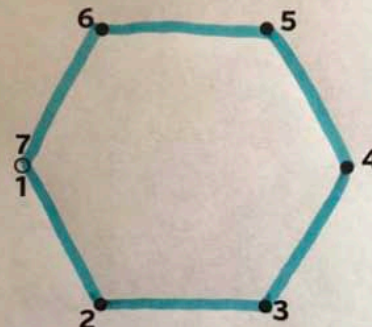
Connect the dots and name the shape.



**trapezoid**

Name: **Gabriel**

Connect the dots and name the shape.



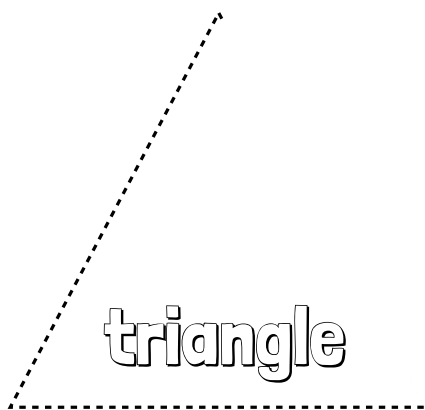
**hexagon**

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:

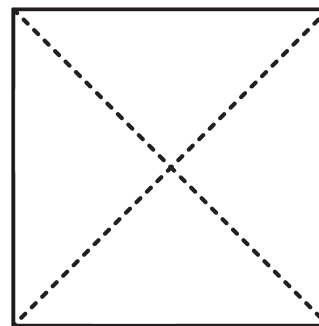
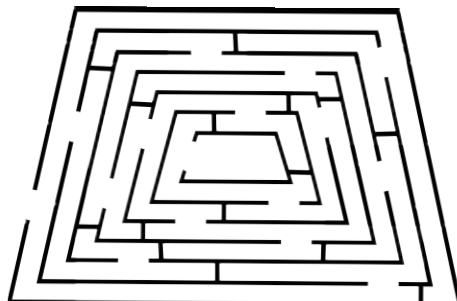
Finish drawing the triangle then color it.



**triangle**

Name:

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



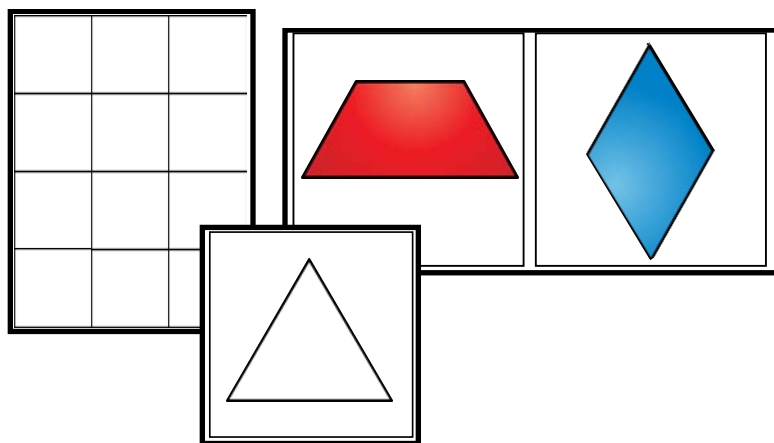
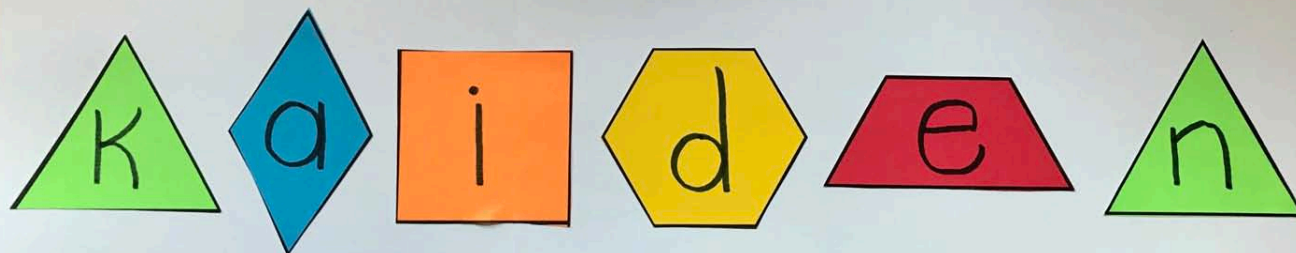
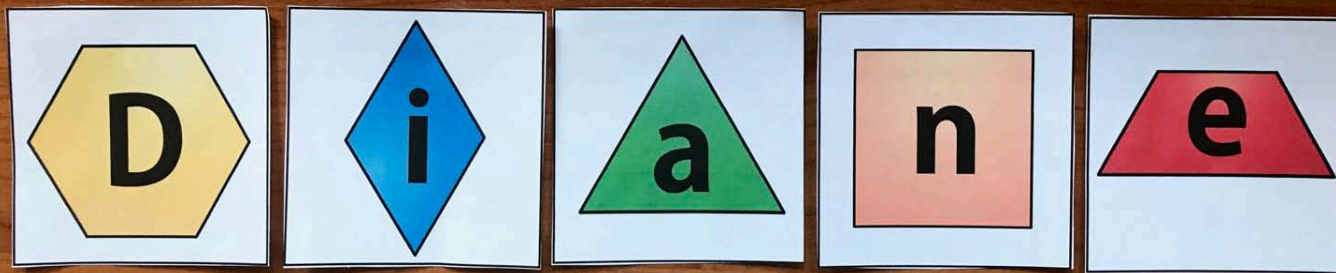
I spy \_\_\_\_ triangles  
inside the \_\_\_\_.

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.