



POLLY'S PIZZA

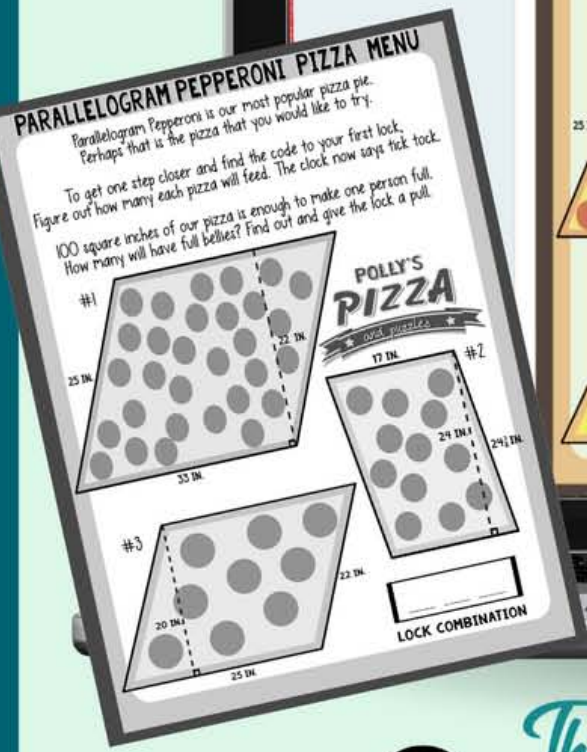
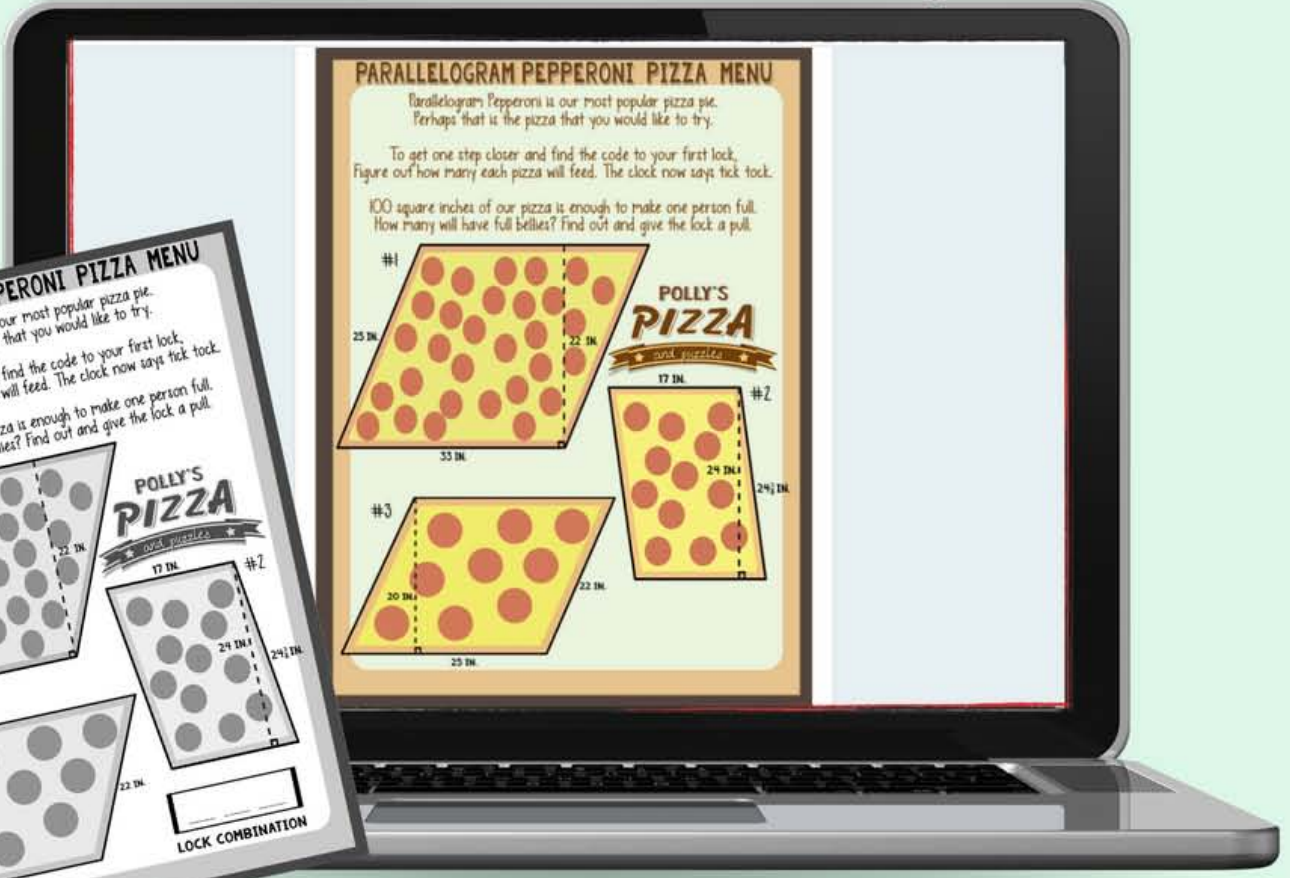
and puzzles



6th
Grade
Math

Area of Composite Shapes

Digital or Print Escape Room



Standard 6.G.A.1

6th Grade Math Skills
Find the area of triangles, trapezoids,
parallelograms and composite shapes
and solve real world problems.

Fast Facts

 Low prep digital! Easy to use printable version!

 Escape Time ~45-60 minutes

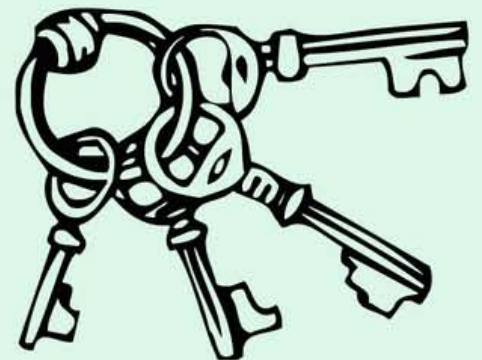
 Recommended for pairs or small groups

 Digital version requires internet connected device

 Self-Checking (digital)

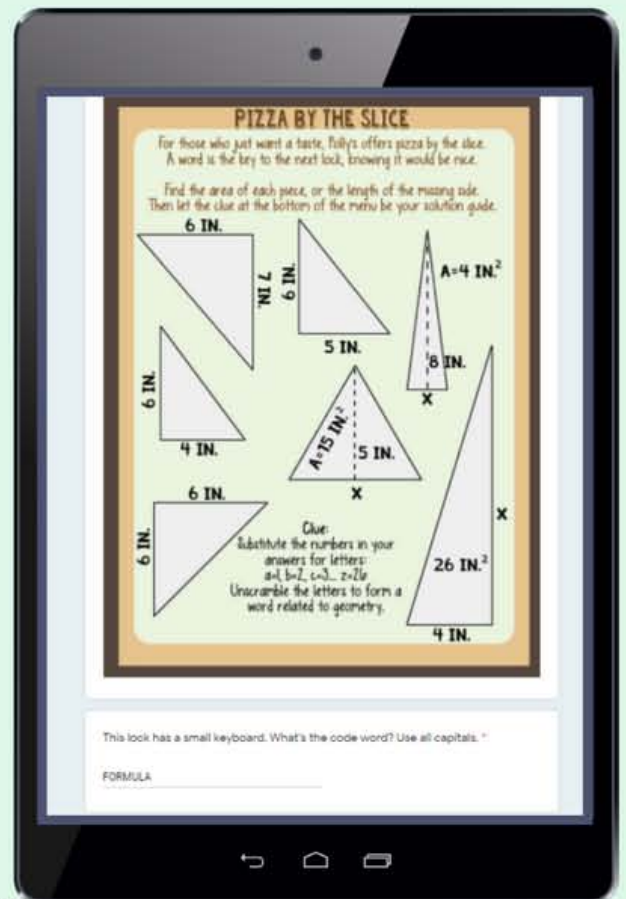
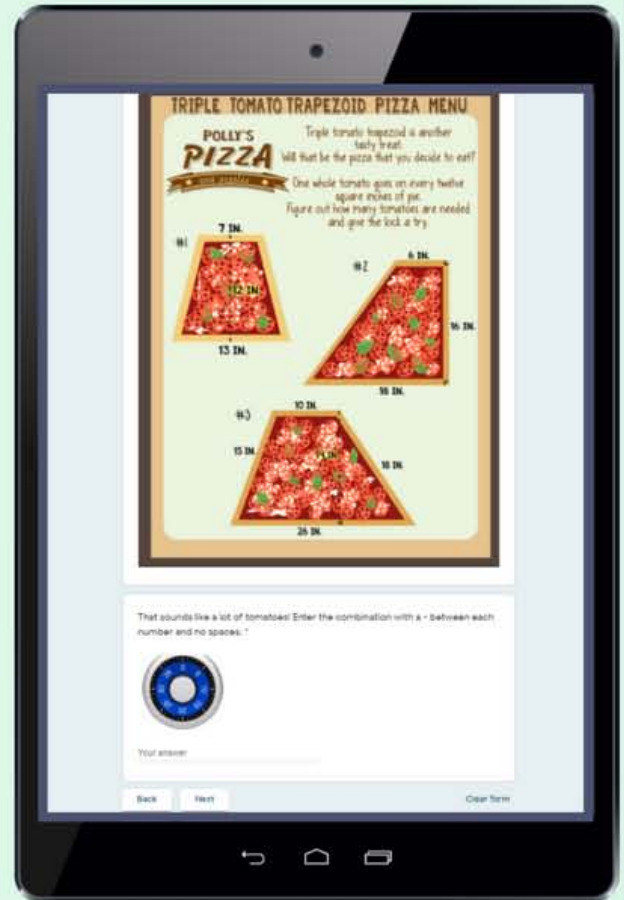
 Virtual or in-person

 Five Engaging Puzzles



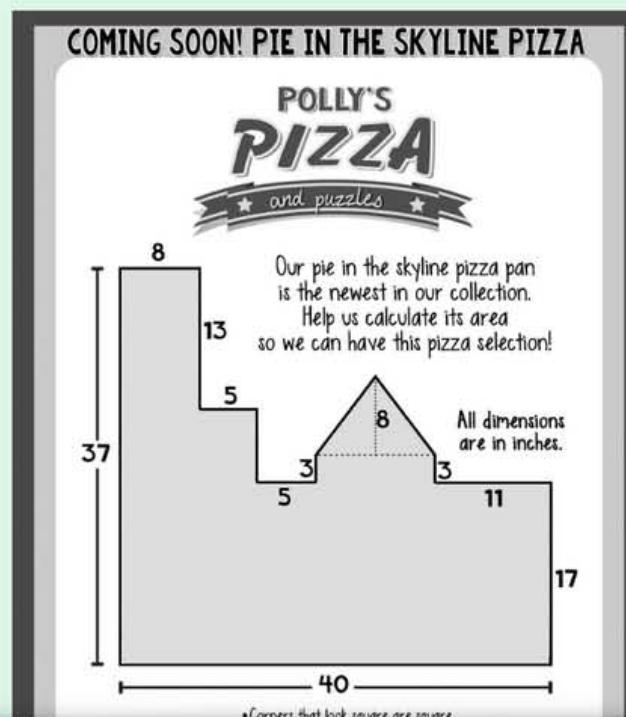
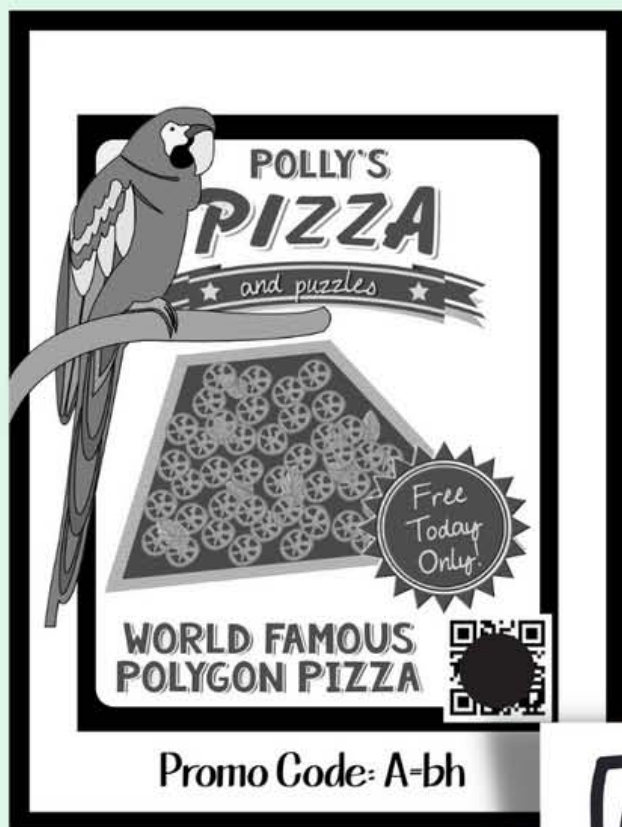
How it Works (Digital):

- There are two options for this escape room. Both have the same puzzles, but Option B offers more hints and breaks the puzzles down into steps.
- The escape room is automated by a Google Form™ (Google™ accounts are not required).
- Use the quick start link to click & go, or create a copy of the form to save to your drive (the teacher must have a Google Account to save a copy).
- Students only progress through the puzzles when correct answers are entered.
- The form provides hints if students enter incorrect answers.



Optional Printable Pages (for the digital version)

Optional Invitation and one page to print for digital version




Success
Signs

How it Works (Print Version):

- There will be 6 pages to print per group. These include a backstory and five clues.
- You can choose to print optional success signs
- Give students the backstory page and the first clue.
- Check that students have solved the puzzles correctly, then pass out clues in order.

MENU



POLLY'S PIZZA

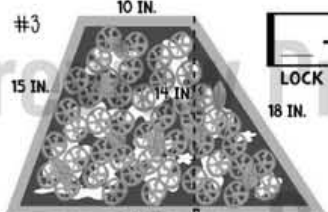
and puzzles

At Polly's Pizza Parlor we have fun surprises. Our polygon pizzas come in many shapes and sizes.

If you want to get your pizza today for free You have to solve our puzzles, That will be the key.

Open up your menu; it'll show you the way To unlock our kitchen door So you can have pizza today!

#1



#3

LOCK COMBINATION

18 IN.

33 IN.

24 IN.

24 IN.

20 IN.

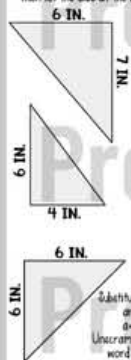
22 IN.

LOCK COMBINATION

PIZZA BY THE SLICE


For those who just want a taste, Polly's offers pizzas by the slice. A word is the key to the next lock, knowing it would be nice.

Find the area of each piece, or the length of the missing side. Then let the clue at the bottom of each puzzle help you solve the next.



Substitute into the area formula and solve for the missing side. Unscramble the word to get the key.

COMING SOON! PIE IN THE SKYLINE PIZZA



Our pie in the skyline is the new thing. Help us figure out how to make it so we can serve it to you.

Find the perimeter of the pizza. Then let the clue at the bottom of the puzzle help you solve the next.

*Corners that lock

CHILDREN'S MENU

KID'S ONE TOPPING PIZZA COSTS:



POLLY'S PIZZA

Our hexagon pizza with six equal-sized slices is just for kids who know their pizzas.

Each slice is six inches on every side.

Find the cost of the pizza and open the door will glide.



A	B	C	D	E	F	G	H	I	J	K	L	M
N	O	P	Q	R	S	T	U	V	W	X	Y	Z

FIRST IN FORMULAS

The Great CLASSROOM ESCAPE

Puzzle Preview

TRIPLE TOMATO TRAPEZOID PIZZA MENU

POLLY'S PIZZA
and puzzles

Triple tomato trapezoid is another tasty treat.
Will that be the pizza that you decide to eat?
One whole tomato goes on every twelve square inches of pie.
Figure out how many tomatoes are needed and give the lock a try.

#1

#3

PARALLELOGRAM PEPPERONI PIZZA MENU

Parallelogram Pepperoni is our most popular pizza pie.
Perhaps that is the pizza that you would like to try.

To get one step closer and find the code to your first lock,
Figure out how many each pizza will feed. The clock now says tick tock.
100 square inches of our pizza is enough to make one person full.
How many will have full bellies? Find out and give the lock a pull.

#1

#3

POLLY'S PIZZA
and puzzles

PIZZA BY THE SLICE

For those who just want a taste, Polly's offers pizza by the slice.
A word is the key to the next lock, knowing it would be nice.

Find the area of each piece, or the length of the missing side.
Then let the clue at the bottom of the menu be your solution guide.

6 IN. 7 IN. 6 IN. 5 IN. $A=4 \text{ IN.}^2$ 8 IN. X

6 IN. 4 IN. $A=15 \text{ IN.}^2$ 5 IN. X

6 IN. 6 IN. X 26 IN.^2 4 IN.

Clue:
Substitute the numbers in your answers for letters:
a=1, b=2, c=3... z=26
Unscramble the letters to form a word related to geometry.

You May Also Like

The Great CLASSROOM ESCAPE

OPERATION SAVE THE ROCKET LAUNCH

Evaluating Expressions Word Problems

PIN Digit 4
How much space is left?

The expression $e^3 - 8d$ gives the number of cubic feet of storage space that remain in a cube-shaped container that the rocket is taking to the space station. How much space is left in the container if $e = 3$ and $d = 24$?

EASY TO IMPLEMENT!

6TH GRADE CONTENT 6.EE.A.2 6.EE.A.2A 6.EE.A.2C
DIGITAL ESCAPE ROOM!

The Great CLASSROOM ESCAPE

SIXTH GRADE MATH

Digital Escape Room Bundle

EASY TO IMPLEMENT!

The Great CLASSROOM ESCAPE

Operation Restore Order

6.EE.A.1

TOP SECRET
NAME: Osa, Key
KNOWN ALIAS: Chaos

WANTED FOR:
Osa Osa is suspected of causing mass confusion by breaking number line math problems when he arrives from left to right instead of right to left. He is also suspected of causing confusion by changing the order of operations. He has been seen in classrooms and is expected to appear in any classroom at any time.

METHODS OF OPERATION:
Osa has been known to take the steps out of math books that contain the order of operations and replace them with instructions that are completely wrong.

CONFIDENTIAL

Order of Operations with Exponents
DIGITAL ESCAPE ROOM!

The Great CLASSROOM ESCAPE

NEGATIVE NUMBERS & ABSOLUTE VALUE

6TH GRADE MATH STANDARDS

Dr. Wile's Emergency Instructions
The team that brought me here is reporting your presence in Antarctica. In order to escape, please use the hints below to help you get away as quickly as you can. But don't forget to check the weather conditions. It's important to know what the weather is like when you leave. You'll need to know what the weather is like when you leave. You'll need to know what the weather is like when you leave.

Research Notes:
The penguin program has been able to adapt much better than other penguin species to the changing climate in Antarctica.
I have been tracking for nesting sites (plot them on a coordinate plane). The origin represents the research center. The x-axis represents the east-west distance, and the y-axis tracks the distance north or south.
These nesting locations determine the three-digit combination to my desk drawer:
Digit 1: Distance between nesting sites A and D.
Digit 2: Distance between nesting sites A and C.
Digit 3: Distance between nesting sites C and B.

Easy to implement! Automated with a Google Form™!
Does NOT require Google Classroom™ or e-mail addresses

ESCAPE ANTARCTICA

DIGITAL ESCAPE ROOM!



TERMS OF USE AND COPYRIGHT

This activity was designed by a teacher and mom. It is only available for purchase at greatclassroomescape.com and teacherspayteachers.com. Please respect our terms of use and copyright rules.

YOU MAY

- The original purchaser may use this product for personal use, in one classroom, or with one family for the children that live in that home.
- Post links to the digital breakouts for your class on a password protected learning management system such as Google Classroom™, Seesaw™, Schoology™.
- Purchase multiple licenses at a discounted rate in order to use this product in more than one classroom.

YOU MAY NOT

- Give this product to friends or colleagues in either printed or digital form.
- Post this item for sale or for free.
- Copy this item for use by others.
- Upload this product to any website for others to download. This is a violation of the Digital Millennium Copyright Act.
- Post links to this product on a **non-password protected website**. This includes personal websites, class websites, district websites, etc.
- Use this product on for-profit sites such as Outschool.

Copyright ©2019 Kiersten Yager Williams. All Rights Reserved. Duplication of this product in any format for commercial purposes, for teachers other than the original purchaser, or for entire school systems is strictly prohibited.

Please contact kiersten@greatclassroomescape.com if you have any questions about copyright or our terms of use.

