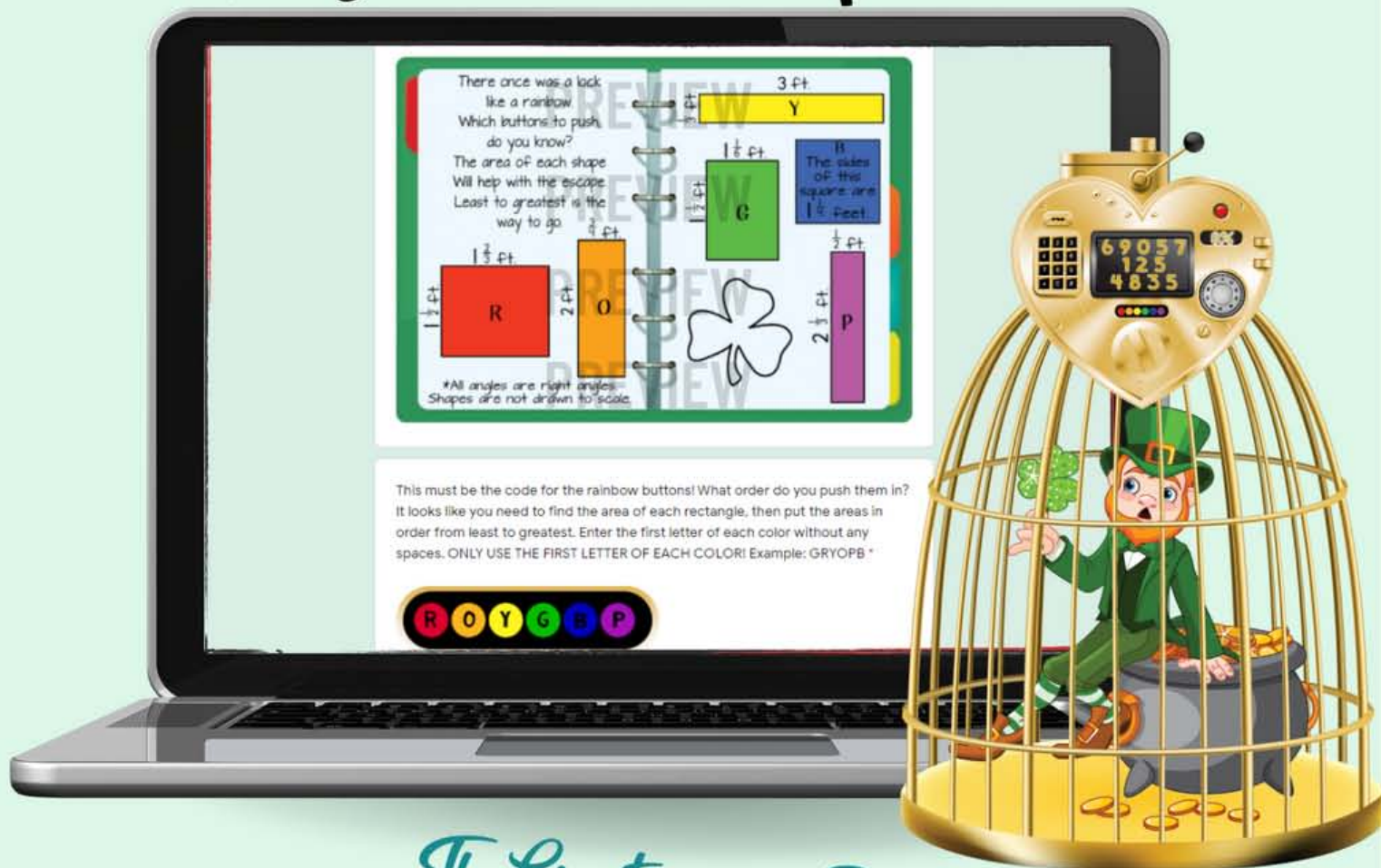




5th
Grade
Math


Operation Free the Leprechaun Digital Escape Room



Standards
5.NBT.A.2, 5.NBT.A.3a,
5.NBT.B.5, 5.NBT.B.7,
5.NF.B.4, 5.NF.B.4b,
5.G.A.1

5th Grade Math Skills
Area with fractional side lengths,
operations with decimals, reading
point in the first quadrant, & more!

Fast Facts

 **No prep, click & go! *Optional pages to print**

 **Escape Time ~45-60 minutes (varies)**

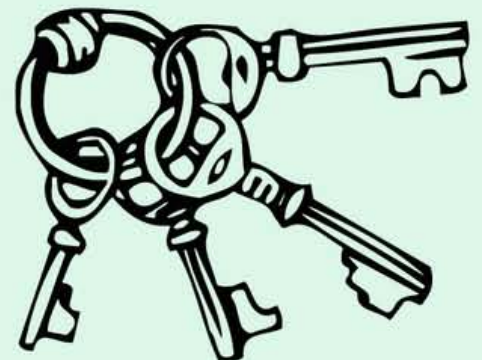
 **Complete in small groups, pairs, or individually**

 **Requires internet connected device**

 **Self-Checking**

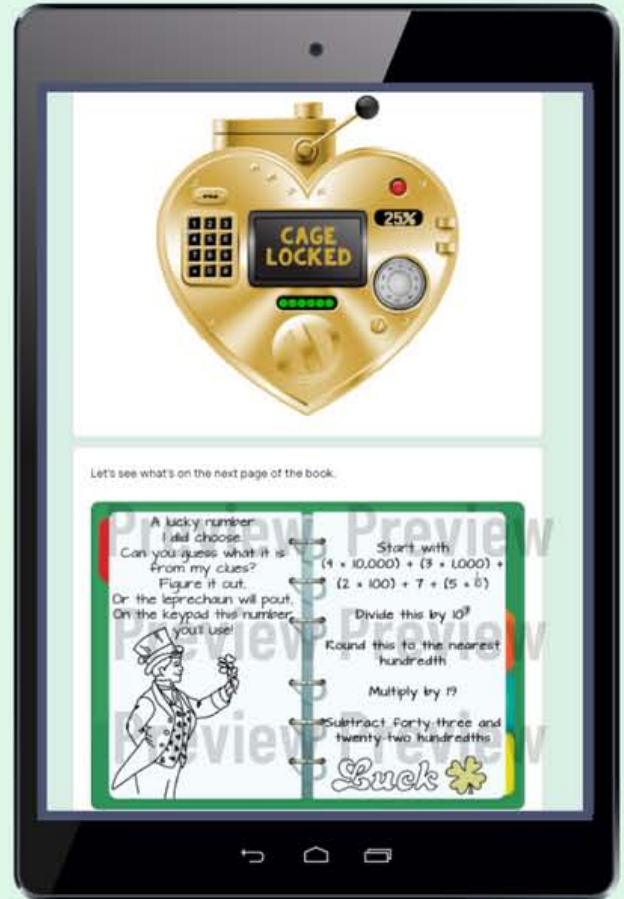
 **Virtual or in-person**

 **Four Engaging Puzzles**



How it Works:

- 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.

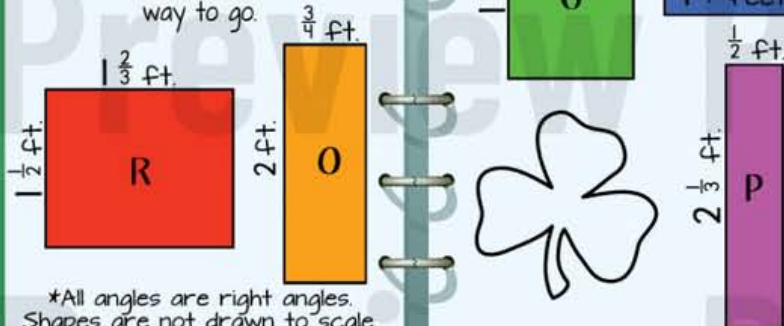


Puzzle Preview

There once was a lock like a rainbow.

Which buttons to push, do you know?

The area of each shape will help with the escape. Least to greatest is the way to go.



*All angles are right angles. Shapes are not drawn to scale.

A three number combination will help cure the leprechaun's frustration.

Spin the dial, then he will smile, and maybe dance in celebration.



First number of the combination:

Rule: Multiply the Input by 5, then subtract 4.

Input	Output
17	

Second number of the combination:

Evaluate the expression:

$$17 + \{64 \div [4 \times (8 - 6)]\} =$$

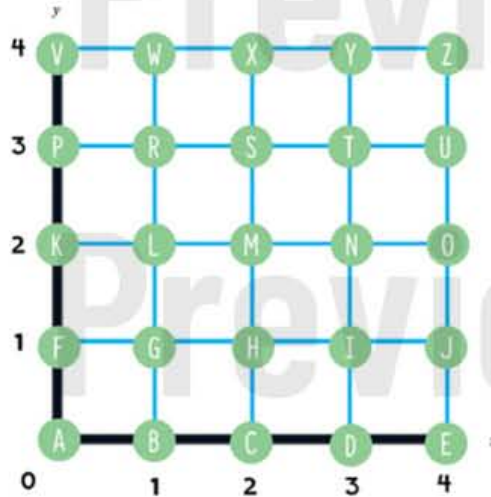
Third number:

A very lucky leprechaun found 5 pots of gold in the morning, 2 in the afternoon, and 4 at night. This happened 6 days in a row. How many pots of gold did the leprechaun find?

_____ - _____ - _____

Puzzle Preview

There once was a girl
 who hid a key.
 She made up clues to tell
 where it would be.
 Use your brain
 And the coordinate plane
 To set the
 leprechaun free.



(4,3) (3,2) (3,0) (4,0) (1,3)
 (3,3) (2,1) (4,0)
 (2,0) (0,0) (1,1) (4,0)

A lucky number
 I did choose.
 Can you guess what it is
 from my clues?
 Figure it out,
 Or the leprechaun will pout,
 On the keypad this number
 you'll use!



Start with
 $(4 \times 10,000) + (3 \times 1,000) +$
 $(2 \times 100) + 7 + (5 \times \frac{1}{10})$

Divide this by 10^3

Round this to the nearest
 hundredth

Multiply by 19

Subtract forty-three and
 twenty-two hundredths

Luck 

Optional Printable Pages

Directions: Use this page to help you solve some of the puzzles to free the leprechaun!

Perimeter of each polygon:

Red _____ ft²

Orange _____ ft²

Yellow _____ ft²

Green _____ ft²

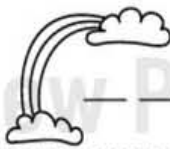
Blue _____ ft²


Purple _____ ft²

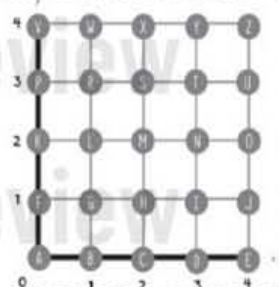


Hint: Find the areas of the rectangles and put them in order from least to greatest.

Enter your answer using the first letter of each color and no spaces.







Use this space and the back of the page to show your work.



The Great CLASSROOM ESCAPE

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Puzzle Helper Page

The collage includes several puzzle cards:

- Card 1:** "There once was a lock like a rainbow. Which letter to push do you know? The area of each shape will help with the escape. Least to greatest is the way to go." It shows two rectangles labeled R and O with dimensions and areas.
- Card 2:** "A three number combination will help cure the leprechaun's frustration. Split the dot. Then he will smile. And maybe dance in celebration." It shows a dot plot with numbers 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12.
- Card 3:** "A lucky number I did choose. Can you guess what it is from my clues? Figure it out. Or the leprechaun will pour on the keyboard this number you'll see!" It shows a leprechaun character.
- Card 4:** "There once was a girl who had a key. She made up clues to tell where it would be. Use your brain. And the coordinate plane To tell the leprechaun free." It shows a coordinate grid with points plotted.

Success Signs

WHO NEEDS LUCK WHEN YOU HAVE SKILLS?

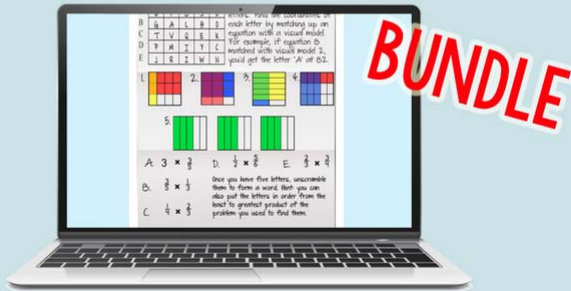
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You May Also Like

The Great CLASSROOM ESCAPE

Operations with Fractions
DIGITAL ESCAPE ROOM!

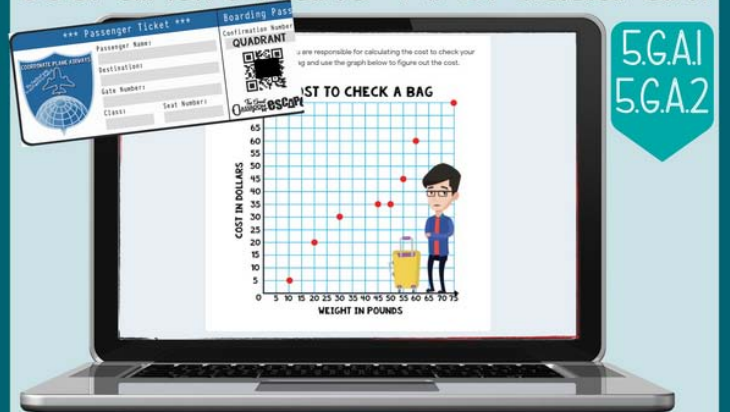


5TH GRADE MATH CONTENT

Numbers & Operations - Fractions Standards
Easy to implement! Automated by Google Forms™!

The Great CLASSROOM ESCAPE

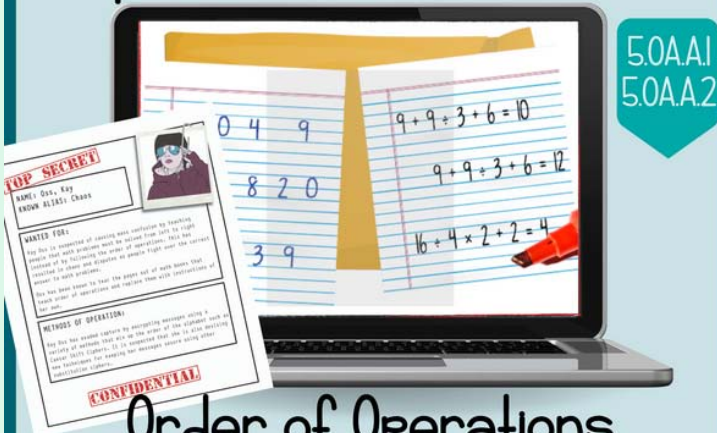
Coordinate Plane- First Quadrant



Escape the Airport
DIGITAL ESCAPE ROOM!

The Great CLASSROOM ESCAPE

Operation Restore Order



Order of Operations
DIGITAL ESCAPE ROOM!

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Adding & Subtracting Fractions
5.NF.A.1, 5.NF.A.2

Easy to Implement



DIGITAL ESCAPE ROOM!

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