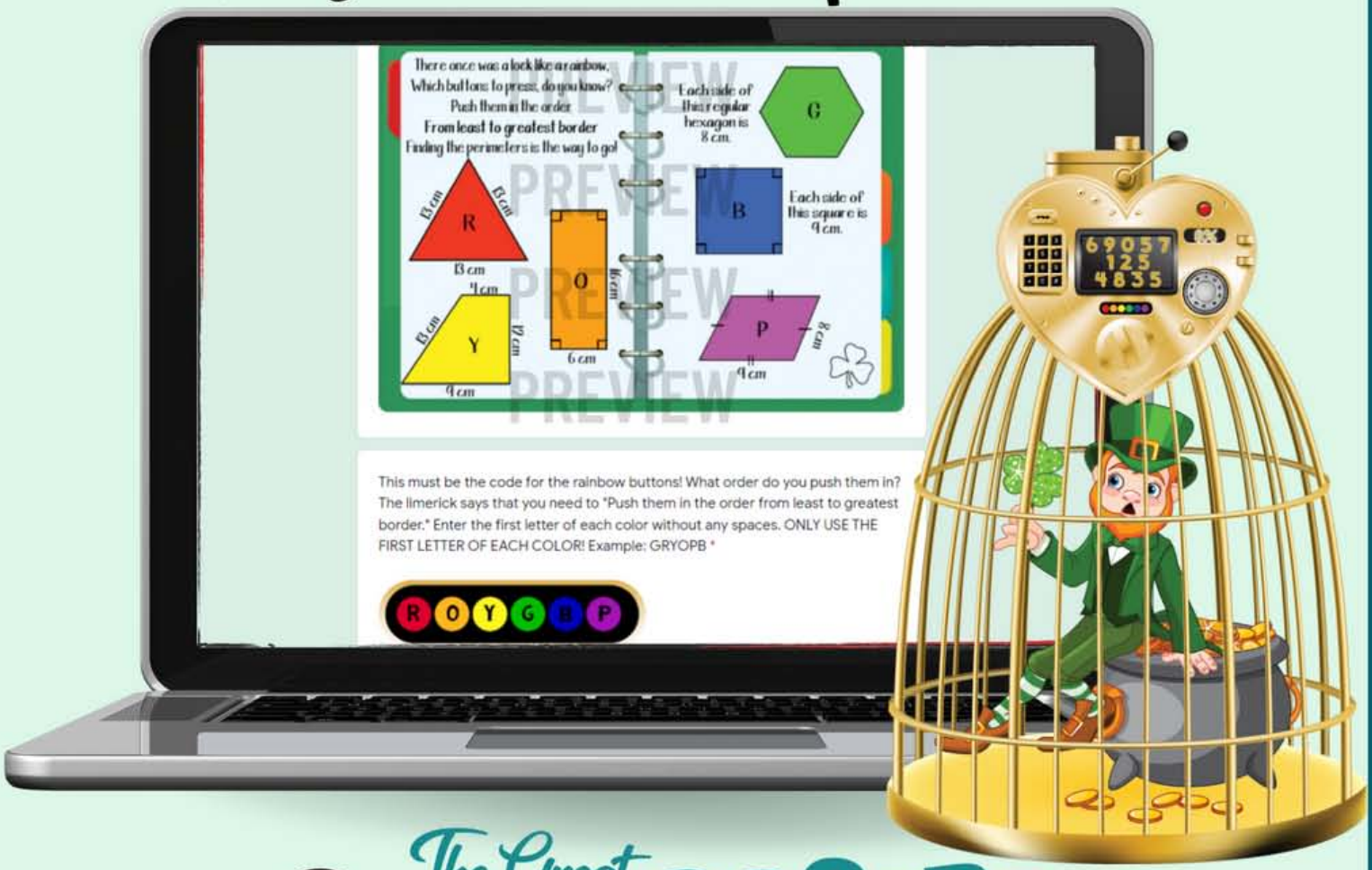
The Great Classroom Escape

3rd Grade Math

Operation Free the Leprechaun

Digital Escape Room



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Standards

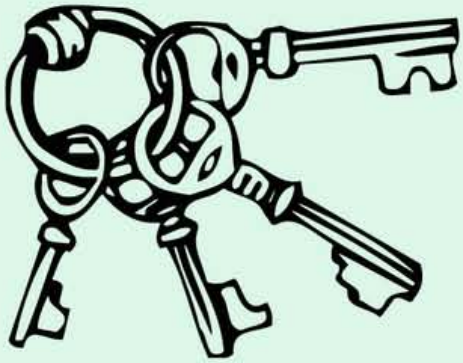
3.MD.D.8, 3.NBT.A.1, 3.NBT.A.2, 3.NBT.A.3, 3.OA.A.1, 3.OA.A.4, 3.OA.C.7, 3.OA.D.8

3rd Grade Math Skills

Finding the perimeter of polygons, finding missing factors or divisors, add and subtract within 1,000 & more!

Fast Facts

- No prep, click & go! *Optional pages to print
- Escape Time ~45-60 minutes (varies)
- Complete as a whole class, small groups, or pairs
- Requires internet connected device
- Self-Checking
- Virtual or in-person
- Four Engaging Puzzles



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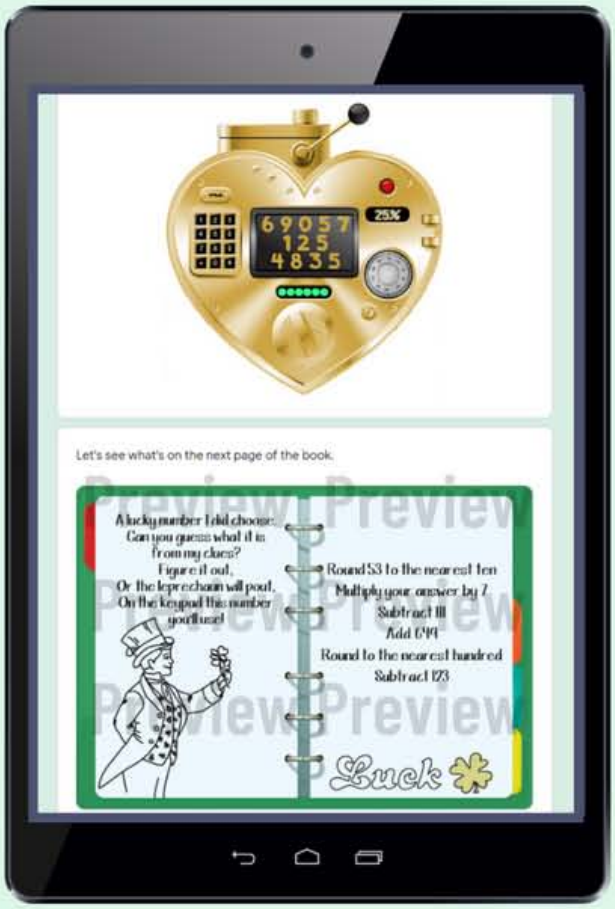
How it Works:

- 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.



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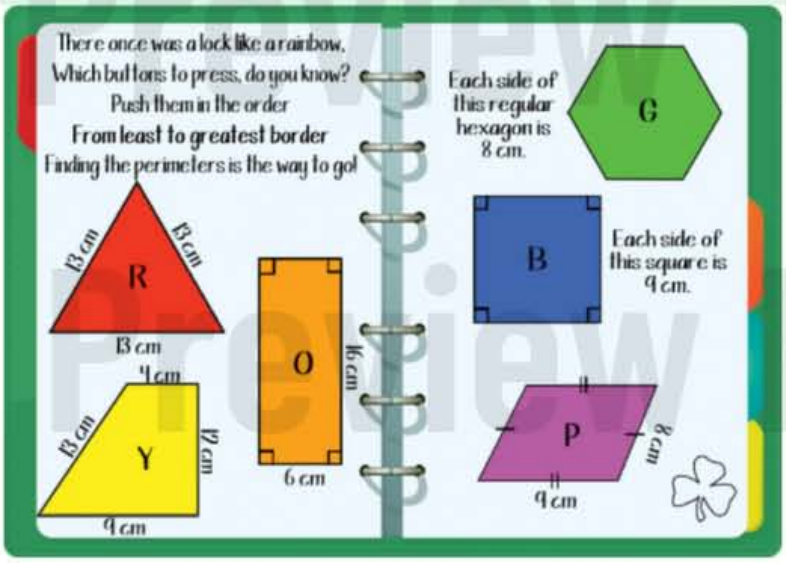
Puzzle Preview



This must be the code for the rainbow buttons! What order do you push them in? The limerick says that you need to "Push them in the order from least to greatest border." Enter the first letter of each color without any spaces. ONLY USE THE FIRST LETTER OF EACH COLOR! Example: GRYOPB *

ROYGBP

Your answer

A three number combination
Will help cure the
leprechaun's frustration.
Spin the dial,
The Leprechaun will smile,
And maybe dance in celebration.

First number of the combination:
At the end of the rainbow, the leprechaun found 8 small pots of gold. Each pot had 7 pieces of gold in it. He already had 15 pieces of gold in his pocket. How many pieces does he have all together?

Second number:
There were 20 shamrocks in the field. Each shamrock had 3 leaves. There were 6 four-leaf clovers in the field (with 4 leaves each). How many leaves were there all together on the shamrocks and clovers?

Third number:
A family of nine leprechauns found a pot of gold with 54 pieces of gold in it. They shared the gold equally. The littlest leprechaun already had 27 pieces of gold at home. How much gold does he have now?

____ - ____ = ____

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Puzzle Preview

There once was a girl
who hid a key.
She made up clues to tell
where it would be.
Missing numbers to find,
Use your strong mind
To set the leprechaun free.

$18 \div \_ = 6$ (G)

$9 \times \_ = 0$ (D)

$\_ \times 9 = 72$ (A)

$56 \div \_ = 8$ (R)

$16 \div \_ = 8$ (H)

$\_ \times 7 = 28$ (C)

$54 \div \_ = 9$ (U)

$30 \div \_ = 6$ (E)

$7 \times \_ = 63$ (N)

$10 \div \_ = 10$ (T)

6 9 0 5 7

1 2 5

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!

Round 53 to the nearest ten
Multiply your answer by 7
Subtract 111
Add 649
Round to the nearest hundred
Subtract 123

Luck

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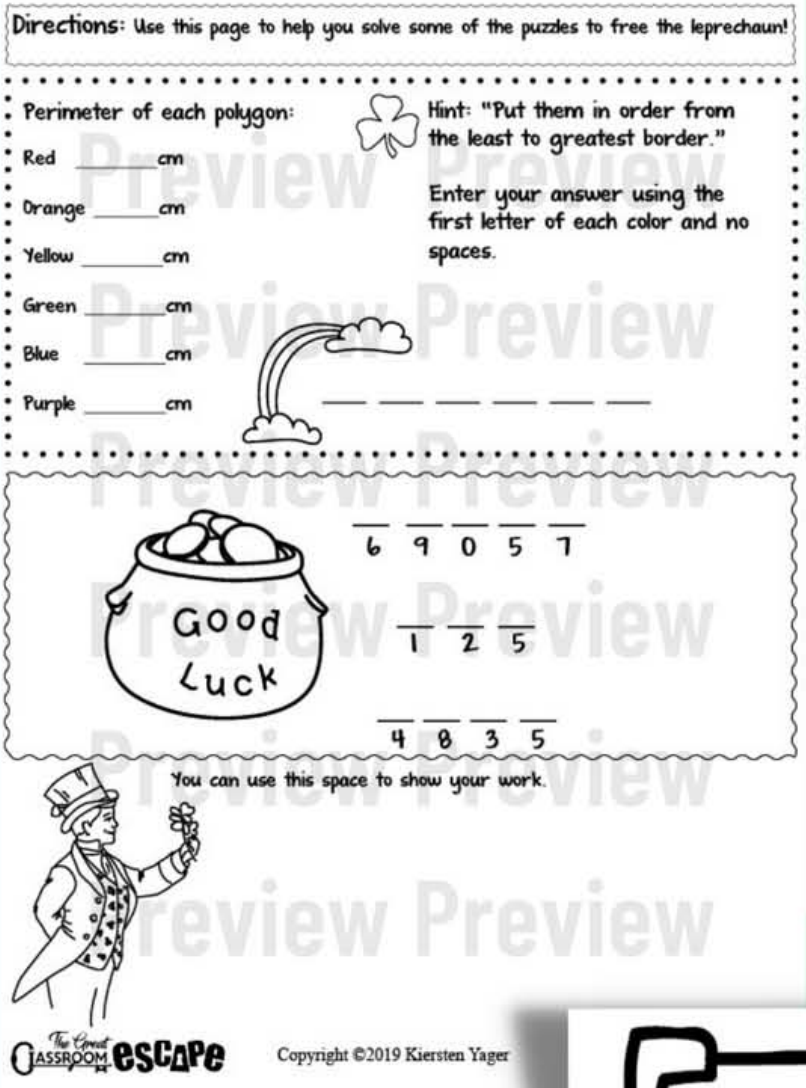
Optional Printable Pages


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

Perimeter of each polygon:

Red _____cm

Orange _____cm

Yellow _____cm

Green _____cm

Blue _____cm

Purple _____cm

Hint: "Put them in order from the least to greatest border."

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

6 9 0 5 7

1 2 5

4 8 3 5

You can use this space to show your work.

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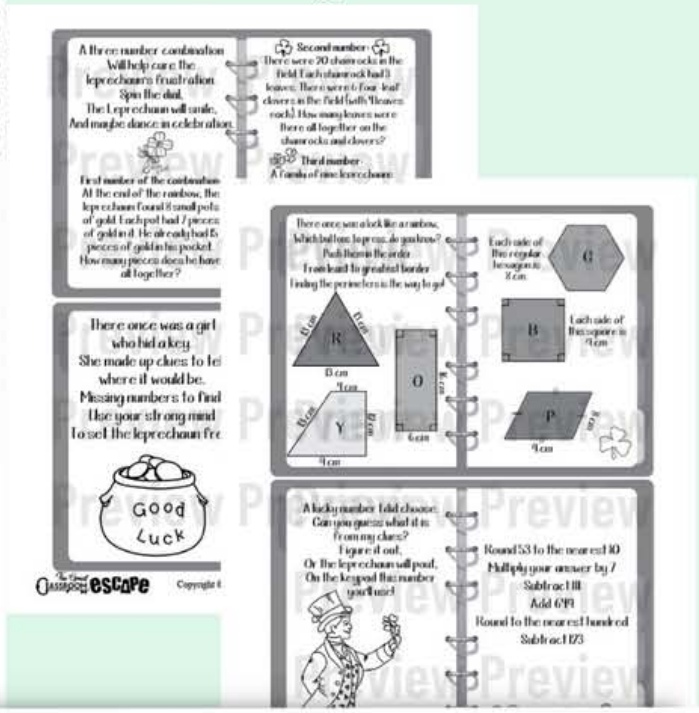
Puzzle Helper Page



Success Signs

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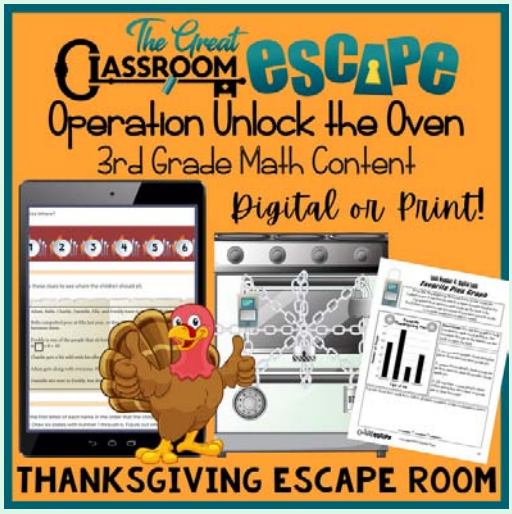

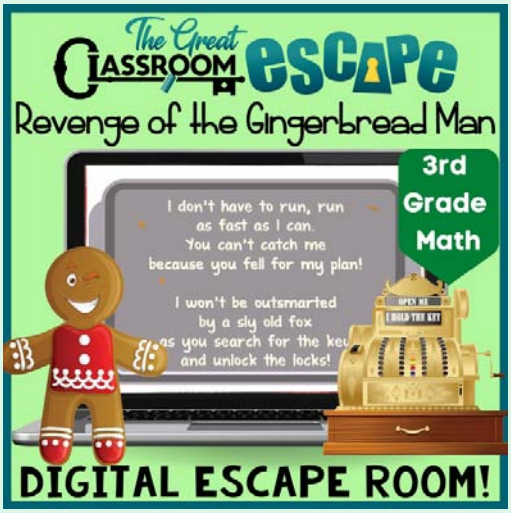

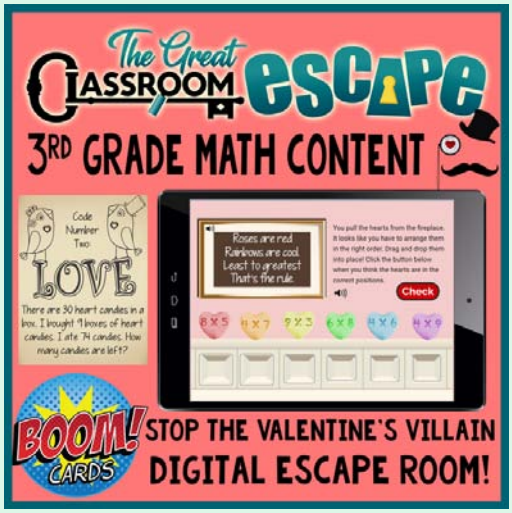

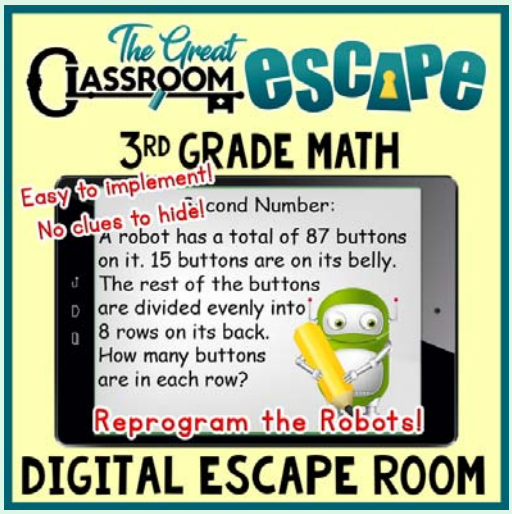

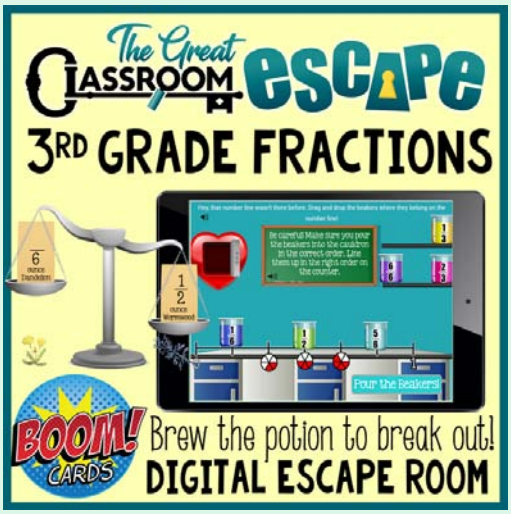

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