

5th Grade
Math

The Great
Pumpkin Heist
Digital Escape Room



Standards

5.NBT.A.1, 5.NBT.A.2,
5.NBT.A.3, 5.NBT.A.3a,
5.NBT.A.3b, 5.NBT.A.4

5th Grade Math Skills
Place value (with decimals), rounding,
multiplying & dividing by powers of 10,
comparing numbers & more!

Fast Facts

 No prep, click & go! Optional printable pages

 Escape Time ~30-60 minutes

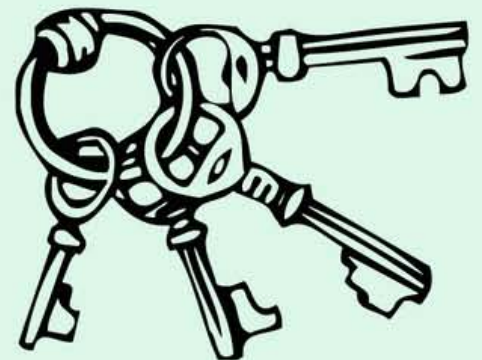
 Use individually or in small groups

 Requires internet connected device

 Self-Checking

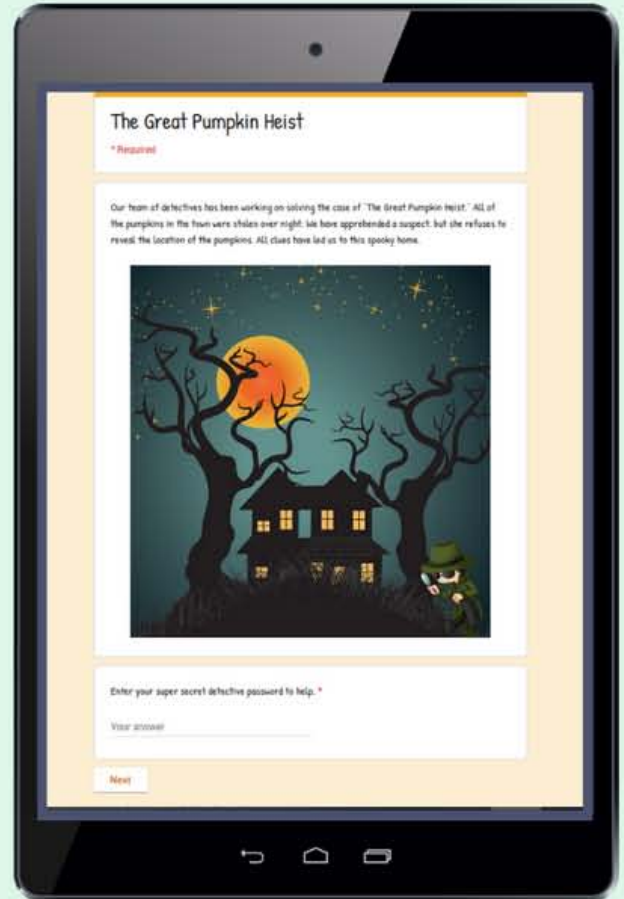
 Virtual or in-person

 Five Engaging Puzzles



How it Works:

- The escape room is automated by a Google Form™ (Google™ accounts are not required).
- Students only progress through the puzzles when correct answers are entered.
- 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).
- The form provides hints if students enter incorrect answers.



Sample Puzzles

If you want to know how the case unlocks,
First find the order for the blocks.

Start with 52,987,341 and follow these clues.
Put the blocks in the wall; you can't lose!



The value of the 9 in the new number is $\frac{1}{100}$ of the value of the 9 in 52,987,341

The value of the 4 in the new number is 10,000 times greater than the value of the 4 in 52,987,341

The 3 in the new number has $\frac{1}{10}$ of the value of the 3 in 52,987,341

The new number has a 1 that has 100 times the value of the 1 in 52,987,341

The value of the 5 in the new number is $\frac{1}{1,000}$ of the value of the 5 in 52,987,341



If you want to see your

pumpkins again

Round this number

to the nearest ten.

8,395.01

$$10^2 \bigcirc 20$$

$$84,098.370 \bigcirc 84,098.37$$

$$4,952 \div 10^1 \bigcirc 4.952 \times 10^2$$

$$\text{Seventy-two thousand, and seventy-two thousandths} \bigcirc 72,000.72$$

$$\text{Four tenths} \bigcirc \text{The value of the 4 in } 935.048$$

$$82.35 \bigcirc 82.375$$

Sample Puzzles

Pumpkins are orange,
candy is sticky.
Solving my riddles
can be very tricky.

Arrange the candles
from least to greatest order.
A secret passage will be revealed
if you are a good sorter.



42.703



$42,730 \div 10^4$



4.273×10^3



Forty-two and
seventy-three
hundredths



4 tens + 2 ones



(4

My dream is to grow the biggest pumpkin on the planet. I stole the pumpkins to research making a seed to meet my goal. I guess it isn't fair that I get to have all of the pumpkins. Fine. You can have the pumpkins back IF you can figure out the code to my safe.



Last year, I entered my biggest pumpkin in a contest. The weights of all of the pumpkins in the contest are listed below. Figure out which pumpkin was mine, then find my goal weight for the pumpkin I want to grow next year!

Clues to Find the Code to the Safe:



- If I round the weight of my pumpkin to the nearest hundred, I get 200.
- The digit in the ten's place of my pumpkin's weight is less than 5.
- Rounded to the nearest whole number, the weight of my pumpkin is even.
- Rounded to the nearest tenth, the sum of the digits in the weight is 14.
- You should now know the weight of my biggest pumpkin. To find the code, multiply this weight by 10. I plan to grow a pumpkin that weighs that many pounds!



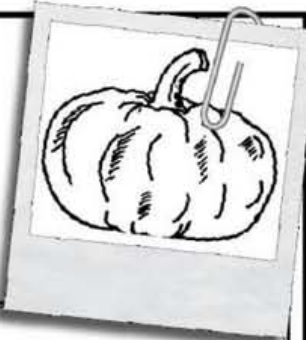
Weights of Pumpkins in Pounds

215.83	195.47	234.52	206.63	250.97
157.96	176.31	222.22	243.82	183.98
262.41	247.96	227.99	234.51	250.01

Optional Printable Pages

'TOP SECRET'


Case File:
The Great Pumpkin Heist



The Facts:
Last night, every pumpkin in town was stolen. We have apprehended a suspect, but she refuses to lead us to the location of the pumpkins. Our field agents have followed clues that lead to a home where they believe the pumpkins are located. They require the help of assistant detectives with a strong understanding of place value to aid in the recovery of the pumpkins.

Scan the QR code to start cracking the case.
Use your super secret code name to begin:

VALUE



Notes: Use this space and the back of the page to work out the clues.

215.83	195.47	234.52	206.63	250.97
157.96	176.31	222.22	243.82	183.98
262.41	247.96	227.99	234.51	250.01

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Case file
with
Puzzle
Helper

Success
Signs

**THE
PUMPKINS
ARE SAVED!**

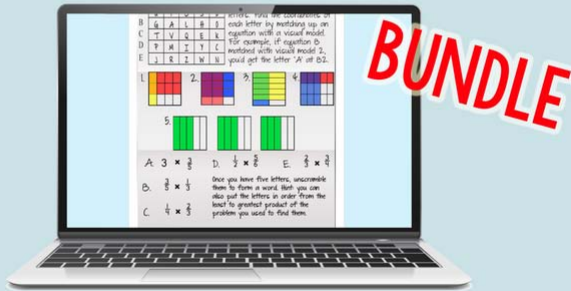
The Great
**CLASSROOM
ESCAPE**

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You Might Also Like

The Great CLASSROOM ESCAPE

Operations with Fractions
DIGITAL ESCAPE ROOM!

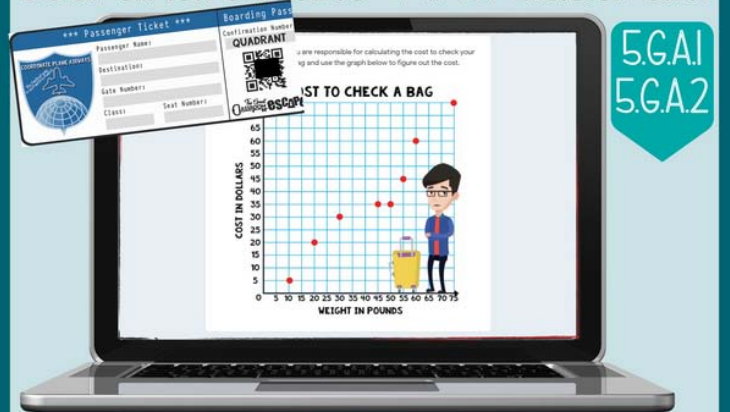


5TH GRADE MATH CONTENT

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

The Great CLASSROOM ESCAPE

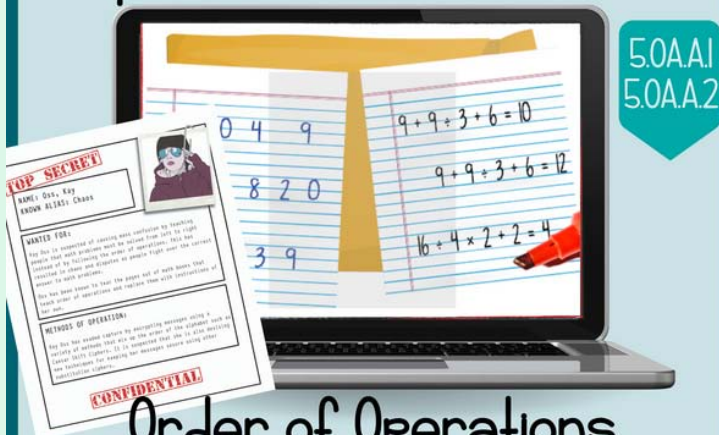
Coordinate Plane- First Quadrant



Escape the Airport
DIGITAL ESCAPE ROOM!

The Great CLASSROOM ESCAPE

Operation Restore Order



Order of Operations
DIGITAL ESCAPE ROOM!

The Great CLASSROOM ESCAPE

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

**Easy to
Implement**



DIGITAL ESCAPE ROOM!

The Great CLASSROOM ESCAPE

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