

5th Grade
Math

The Great Pumpkin Heist

Print or Digital Escape Room



Clue 4: The Locked Basement Door
The Secret Passage

Set the final candle in place, the fire disappears. The bricks are cool to the touch; even real! You crawl through the opening at the back of the fireplace, finding a way down the stairs, feeling your way to the bottom. Your hand brushes against a flip on the light. A very fancy door is at the bottom of the stairs. It is locked.

Three buttons with symbols will open the door. Use each one twice if you want to explore. Don't just make a wild guess. See which is greater, equal to, or less.

Fill in the bubbles with $>$, $<$, or $=$.

10^2	☐ 20
84,098.370	☐ 84,098.37
$4,952 \div 10^1$	☐ 4.952×10^2
and seventy-two thousandths	☐ 72,000.72
Four tenths	☐ The value of the 4 in 935.048
82.35	☐ 82.375

the code? _ _ _

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 digital click & go! Low-prep printable**

 **Escape Time ~30-60 minutes**

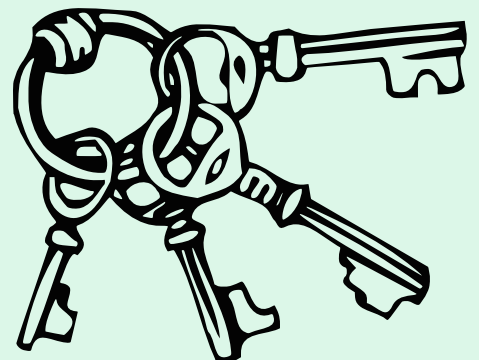
 **Use individually or in small groups**

 **Requires internet connected device**

 **Self-Checking Digital**

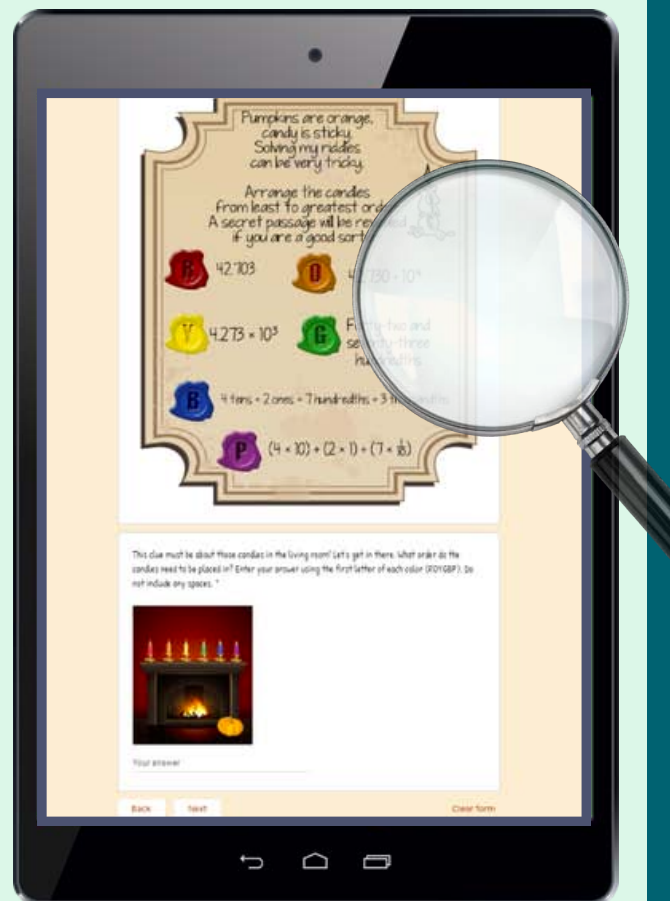
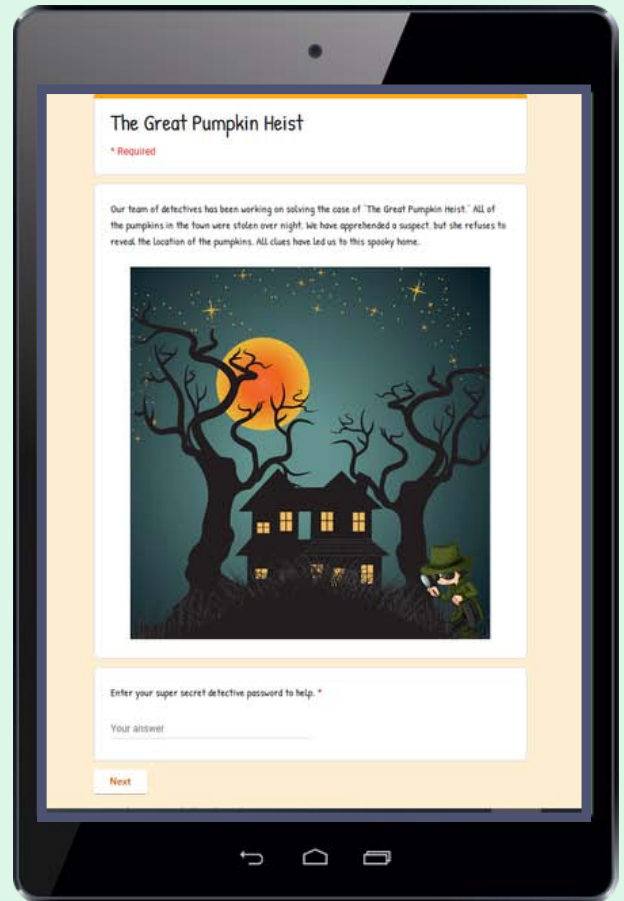
 **Virtual or in-person**

 **Five Engaging Puzzles**



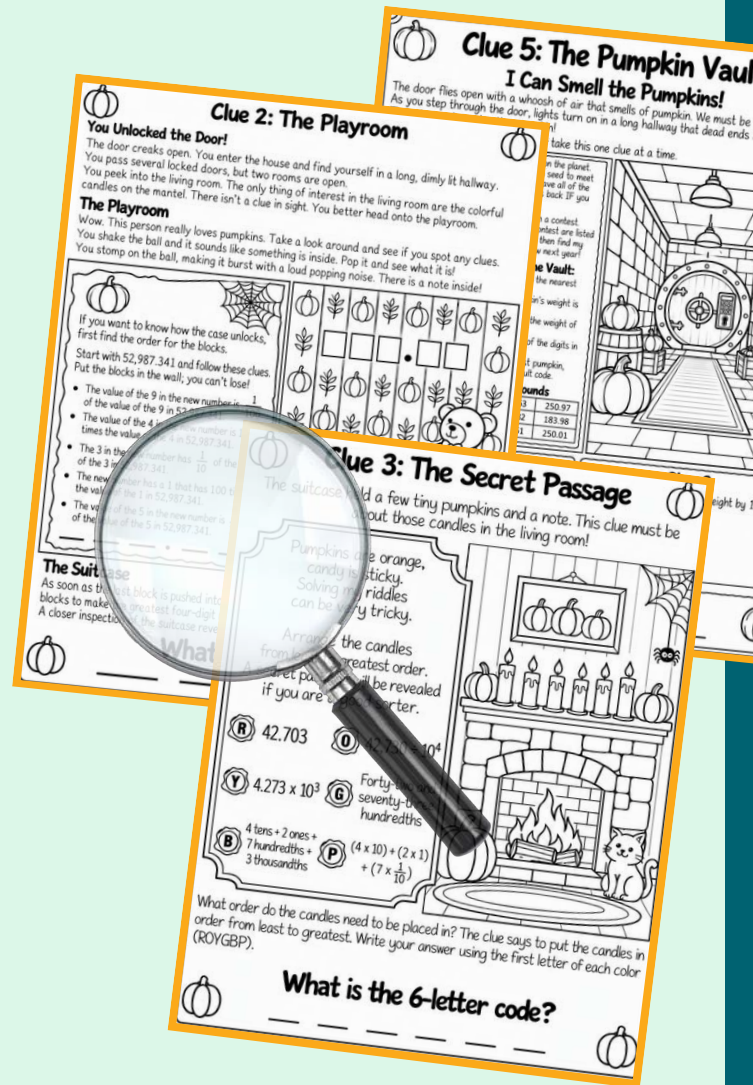
How it Works - Digital:

- 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.



How it Works - Print:

- Low prep!
- Print the five clues and "Case Closed" page
- Give students clue 1 to begin
- When students solve a clue, they bring the answer to you.
- If the answer is correct, give the next clue.
- Continue until students solve the final clue.
- Use individually, in pairs, in small groups, or as a whole class.
- Great for centers!



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.

8,395.0



10^2 ☐ 20

84,098.370 ☐ 84,098.37

$4,952 \div 10^1$ ☐ 4.952×10^2

Seventy-two thousand, and seventy-two thousandths ☐ 72,000.72

Four tenths ☐ The value of the 4 in 935.048

2.35 ☐ 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.
- I know the weight of my biggest pumpkin. To find the code, multiply the weight of my biggest pumpkin by 10. I plan to grow a pumpkin that weighs that many pounds!



Weights of Pumpkins in Pounds

15.47	234.52	206.63	250.97
176.31	222.22	243.82	183.98
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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