



5th  
Grade  
Math

# Operation: Unlock the Oven

Digital or Print Escape Room



A holiday hating villain known as the Thanksgiving Thwarter has snuck into your home and locked the oven with Thanksgiving dinner inside. The fate of the turkey, pies, and casseroles depends on your ability to solve the villain's puzzles and save Thanksgiving! Can you find the combination to each of the oven locks and get the food out in time?




# Standards

5.NBT.A.3, 5.NBT.A.3a,  
5.NBT.A.3b, 5.NBT.B.7,  
5.OA.A.1, 5.OA.A.2

5th Grade Math Skills  
Rounding decimals, evaluating  
expressions with parentheses,  
comparing decimals number, & more!


# Fast Facts


 No prep, click & go! Optional printable pages

 Escape Time ~45-60 minutes

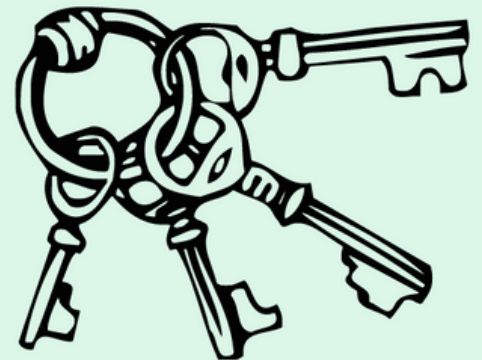
 Recommended to complete in small groups

 Requires internet connected device

 Self-Checking

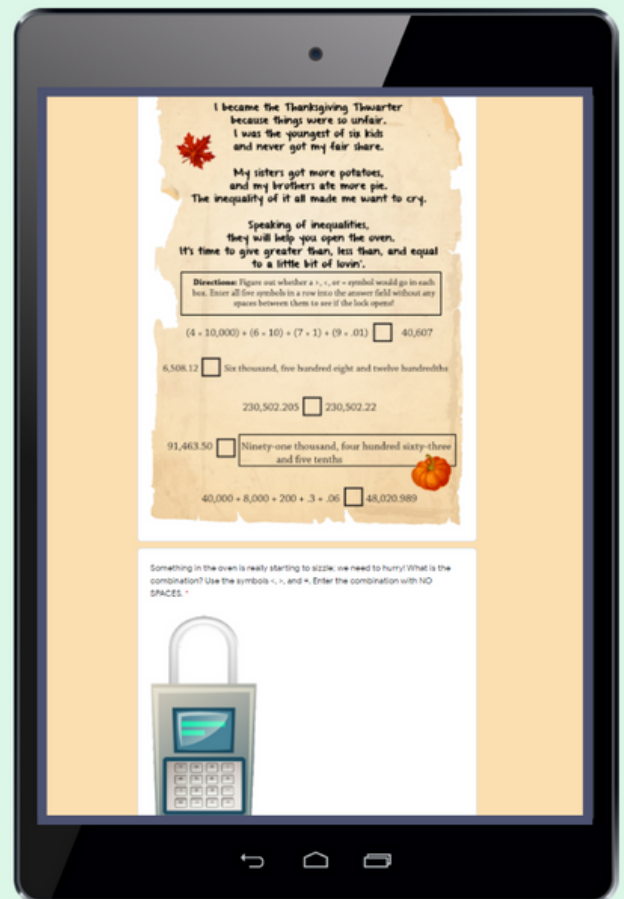
 Virtual or in-person

 Five Engaging Puzzles



# How it Works (Digital):

- The escape room is automated by a Google Form™ (Google™ accounts are not required).
- 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.



# How it Works (Print):

- There are seven pages to print (not including optional success signs). Hand students the backstory and clue 1. Once they return clue 1 to you, check the answer and give them clue 2, then 3, 4, and 5. Finally hand out the success page!



## Lock Number 1: Three Digit Combination *What's My Number?*



## Lock Number 3: Three Number Combination *Planning a Feast*

When planning a feast, math is a big deal. You'll need to use it to save this Thanksgiving! To help solve these problems and be on your best behavior, solve each word problem without further delay. Fill in the numerical part of the answers on the line.



## Lock Number 4: Digital Lock *Inequalities*

I became the Thanksgiving Thwarter because things were so unfair. I was the youngest of six kids and never got my fair share. My sisters got more potatoes, and my brothers ate more pie. The inequality of it all made me want to cry.

Speaking of inequalities, they will help you open the oven. It's time to give greater than, less than, and equal to a little bit of lovin'.

## Lock Number 2: Six Letter Combination *Who Sits Where?*



To solve this puzzle, here's what you must do:  
Figure out who should sit next to who.  
The kids will be lined up, all in a row.  
Figure out where each child should go.

Find the right order, then use the first letter of each name  
To form the lock combination, isn't this a fun game!



Adam, Bella, Charlie, Danielle, Ella, and Freddy have to sit at the "kids' table."

Bella catapulted peas at Ella last year, so they have to sit with two people in between them.

Freddy is one of the people that sit between Bella and Ella. Freddy's seat

Names: \_\_\_\_\_

## Operation: Unlock the Oven to Save Thanksgiving!

A holiday hating villain known as the Thanksgiving Thwarter has struck into your home and locked the oven with Thanksgiving dinner inside. The fate of the turkey, pies, and casseroles depends on your ability to solve the villain's puzzles and save Thanksgiving! Can you find the combination to each of the oven locks and get the food out in time?



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## Lock Number 5: Find the Key *Evaluate the Expressions*



I don't smell anything burning yet. You may open the oven before it's too late, don't fret! One last lock, and this one needs a key. Evaluate the expressions to learn where it might be!

**Directions:** Evaluate each expression. Below each answer you will see a letter. Fill in these letters into the boxes with the matching numbers (some will be used more than once) to spell out the location of the missing key!

$(14 + 10) \div 3 = \underline{\quad}$  O       $9 \div 9 + 1 = \underline{\quad}$  I       $6 \times 3 \div (7 - 4) = \underline{\quad}$  E

$8 + 2 - (3 + 1) = \underline{\quad}$  K       $(8 - 6) \times 2 = \underline{\quad}$  M       $6 \div (1 + 1) = \underline{\quad}$  T

$10 \div (5 \times 2) = \underline{\quad}$  L       $3 \times (\quad) = \underline{\quad}$  V

$3 - (5 \times 4) = \underline{\quad}$

I 8 8 0

8 7 6 5

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## HAPPY Thanksgiving

You did it! You unlocked the oven and saved Thanksgiving dinner. Happy Thanksgiving!

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# Digital Puzzle Preview

A number with three digits will open up this lock.  
These clues will help you find it before the turkey burns  
hard as a rock.

Drawing a number line might help you too,  
Enter the number below when you are through!

My number has ones, tenths, and hundredths



Rounding to the nearest  
whole number, you get 4



Rounding it to the nearest tenth,  
you get 3.5

The number of hundredths is greater than 3



Adam, Bella, Charlie, Danielle, Ella, and Freddy have to sit at the “kids’ table.”

Bella catapulted peas at Ella last year, so they have to sit with two people in between them.

Freddy is one of the people that sit between Bella and Ella. Freddy’s seat number can be found by subtracting 8.23 from 9.8 and rounding your answer to the nearest whole number.

Charlie gets a bit wild with his elbows, so he has to sit on one of the ends.

Adam gets along with everyone. His seat number can be found by adding three and three hundredths to 2.2, then rounding your answer to the nearest whole number.

Danielle does not sit next to Ella.



# Digital Puzzle Preview

Apple pie is my favorite. I bake a lot of it because I never got my fair share as a kid. The 18 adult children that will be at my Thanksgiving will each get 3 pieces of pie. I want to make sure everyone gets their fair share. There are 8 pieces in each pie. How many packages of 6 apples will I need to make 18 pies?

This year, there will be 12 and 14 children at my Thanksgiving. Each person will eat 2 rolls. If rolls come in packages of 8, how many packages do I need to buy?

Last year, I baked a corn casserole in a huge rectangular dish. I cut it into 4 rows. Each row had 8 pieces in it. Half of the corn casserole was eaten by my guests, then 3 pieces got dropped on the floor and my dog ate them. How many pieces of corn casserole were left?

I became the Thanksgiving Thwarter because things were so unfair. I was the youngest of six kids and never got my fair share.

My sisters got more potatoes, and my brothers ate more pie. The inequality of it all made me want to cry.

Speaking of inequalities, they will help you open the oven. It's time to give greater than, less than, and equal to a little bit of lovin'.

**Directions:** Figure out whether a  $>$ ,  $<$ , or  $=$  symbol would go in each box. Enter all five symbols in a row into the answer field without any spaces between them to see if the lock opens!

$(4 \times 10,000) + (6 \times 10) + (7 \times 1) + (9 \times .01)$   40,607

6,508.12  Six thousand, five hundred eight and twelve hundredths

230,502.205  230,502.22

91,463.50  Ninety-one thousand, four hundred sixty-three and five tenths

$40,000 + 8,000 + 200 + .3 + .06$   48,020.989

**Directions:** Evaluate each expression. Below each answer you will see a letter. Fill in these letters into the boxes with the matching numbers (some will be used more than once) to spell out the location of the missing key!

$(14 + 10) \div 3 = \underline{\quad}$  O       $9 \div 9 + 1 = \underline{\quad}$  I       $6 \times 3 \div (7 - 4) = \underline{\quad}$  E

$8 \div 2 - (3 + 1) = \underline{\quad}$  K       $(8 - 6) \times 2 = \underline{\quad}$  M       $6 \div (1 + 1) = \underline{\quad}$  T

$10 \div (5 \times 2) = \underline{\quad}$  L       $3 \times (8 - 5) = \underline{\quad}$  H       $5 \div (7 - 6) = \underline{\quad}$  N

$9 \times 3 - (5 \times 4) = \underline{\quad}$  V

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
1	8	8	0	2	5	3	9	6	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
8	7	6	5	4	2	3	3		

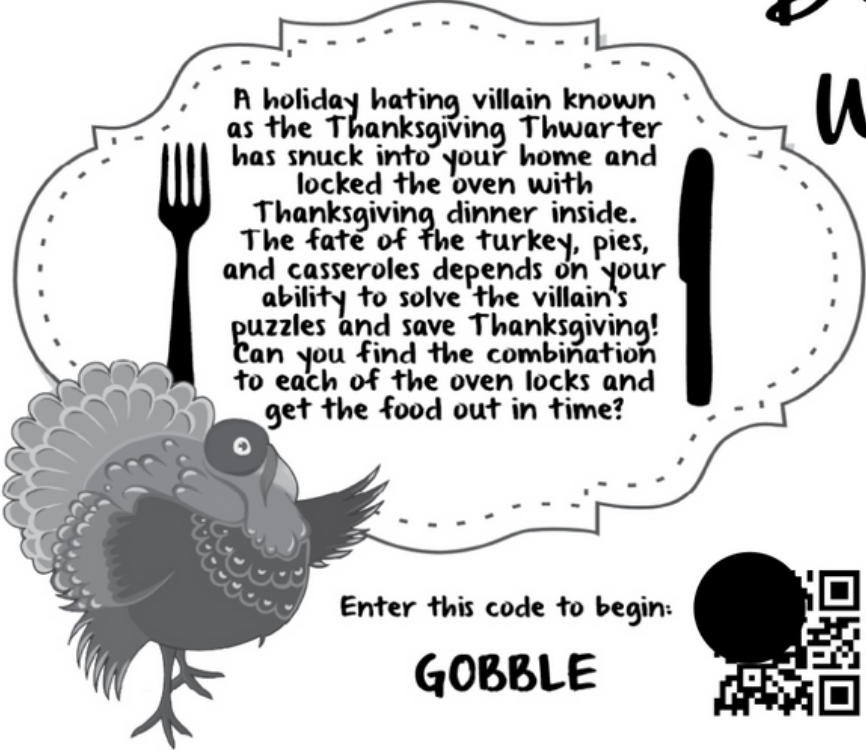


# Optional Printable Pages

## Backstory with QR code


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Enter this code to begin:  
**GOBBLE**



## Success Signs

**WE SAVED  
THANKSGIVING!**

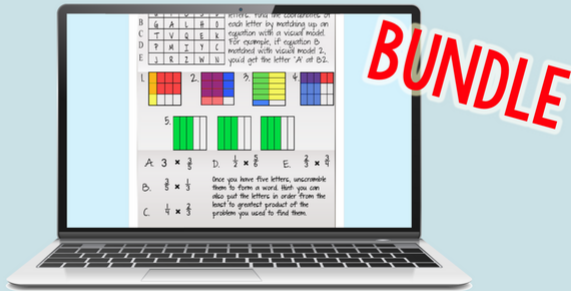
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CLASSROOM  
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## The Great CLASSROOM ESCAPE

Operations with Fractions  
DIGITAL ESCAPE ROOM!

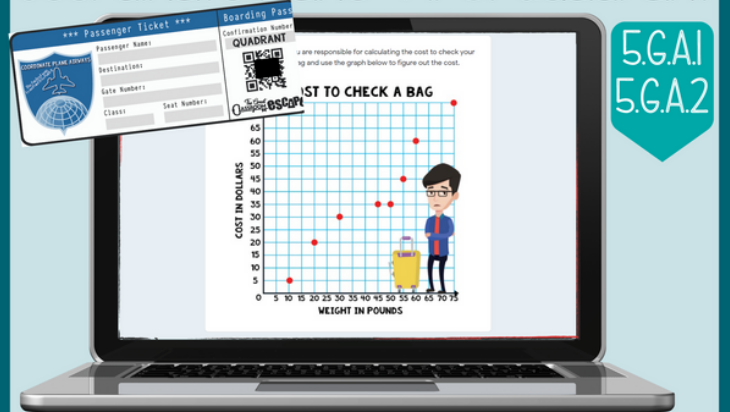


5TH GRADE MATH CONTENT

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

## The Great CLASSROOM ESCAPE

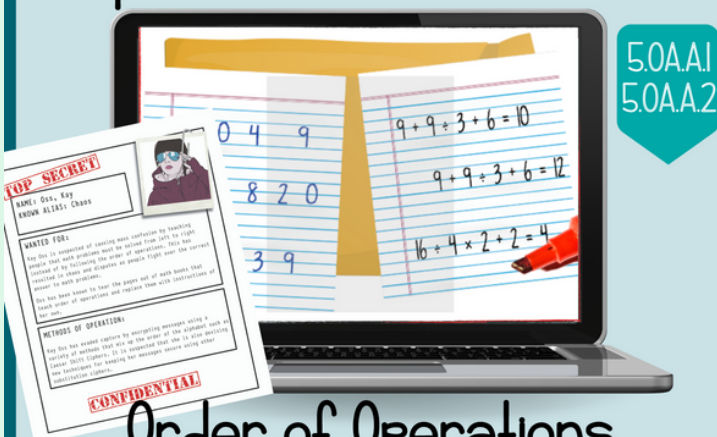
Coordinate Plane- First Quadrant



Escape the Airport  
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## 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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