

**TOP SECRET**

The Great  
**CLASSROOM ESCAPE**



Grades  
4-6

# Order of Operations

## Digital Escape Room



### ODE TO CHAOS

**ORDER OF OPERATIONS...**  
**WHY DOES IT HAVE TO BE SO?**  
**THAT PARENTHESES THEN EXPONENTS**  
**GET TO BE THE FIRST TO GO?**

**WHY SHOULD MULTIPLICATION AND DIVISION**  
**LEFT TO RIGHT BE NEXT IN LINE?**  
**POOR ADDITION AND SUBTRACTION**  
**DESERVE THE RIGHT TO WHINE!**

The Great  
**CLASSROOM ESCAPE**

Standards

5.0A.A.1

5.0A.A.2

5th Grade Math Skills

Solve multi-step word problems using the four operations, evaluate

expressions with parentheses & more!

# Fast Facts

 No prep, click & go! Optional printable pages

 Escape Time ~45-60 minutes

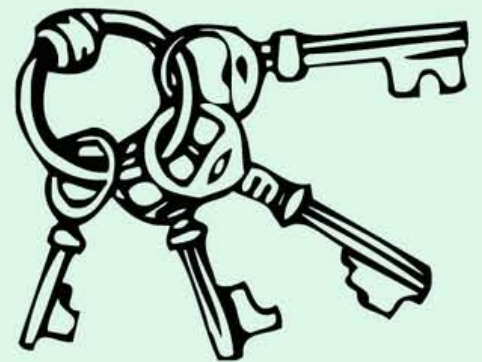
 Best used in pairs or small groups

 Requires internet connected device

 Self-Checking

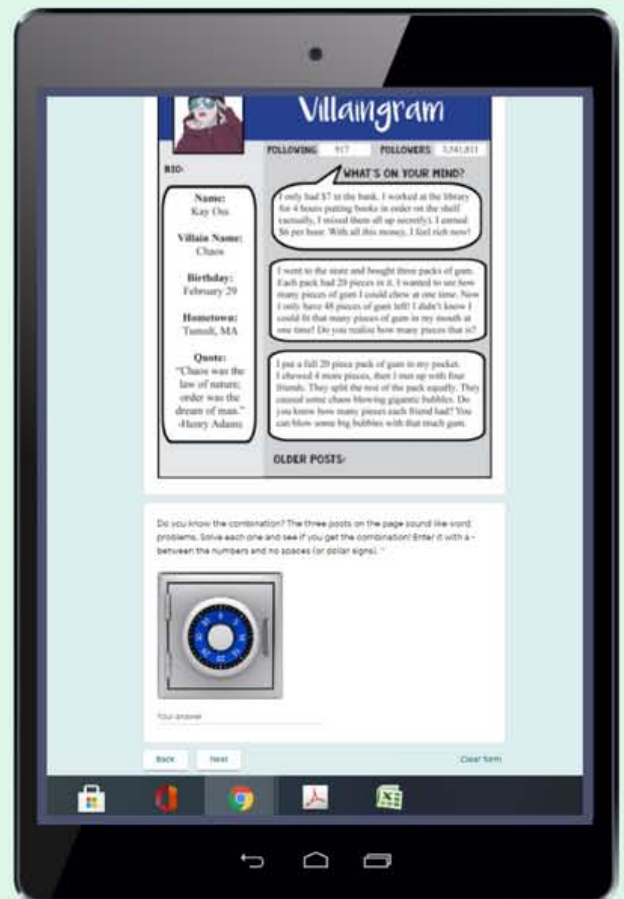
 Virtual or in-person

 Five Engaging Puzzles



# How it Works:

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

KO

Attention Agent 0007!

Congratulations agent 0007,  
you found my home!  
Unfortunately for you, I'll be  
long gone by the time you  
figure out how to escape! I  
don't want you here too long  
though, so I've left some  
clues for you to figure out  
how to get out.

$$9 - 3 \times \square = 0$$

$$12 \div (5 - \square) = 4$$

$$18 \div (24 \div 4) + \square = 9$$

6 7 0 4 9

8 5 8 2 0

1 7 3 9

$$9 + 9 \div 3 + 6 = 10$$

$$9 + 9 \div 3 + 6 = 12$$

$$16 \div 4 \times 2 + 2 = 4$$

# Puzzle Preview



## Villaingram

FOLLOWING 917 F

BIO:

**Name:**  
Kay Oss

**Villain Name:**  
Chaos

**Birthday:**  
February 29

**Hometown:**  
Tumult, MA

**Quote:**  
"Chaos was the law of nature; order was the dream of man."  
-Henry Adams

WHAT'S C

I only had \$7 in the bank. I spent it for 4 hours putting books in the car (actually, I mixed them all up) at \$6 per hour. With all this m

I went to the store and bought gum. Each pack had 20 pieces in it. I bought many pieces of gum I could eat. I only have 48 pieces of gum left. I could fit that many pieces of gum in my mouth one time! Do you realize how

I put a full 20 piece pack of gum in my mouth. I chewed 4 more pieces, then I gave the rest to my friends. They split the rest of the gum. This caused some chaos blowing bubbles. You know how many pieces of gum can blow some big bubbles

OLDER POSTS:

## ODE TO CHAOS

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All those letters always in the same order 1-26. It's time to switch things up, reverse them, think backwards! What if Z=1 and A=26? There's a code nobody will crack!

A=26, B=25, C=24

The password to my computer should be safe with my secret code. I hate to say it, but I better follow the order of operations when I evaluate these expressions or I will never be able to figure the code out myself! Agent 0007 will never suspect that I'll follow the rules!

Computer Password:

$$8 \times 4 - 3 \times 3 =$$

$$3 \times (12 \div 2) =$$

$$[(9 \times 5) - 5] \div 5 =$$

$$12 \div 2 + 3 \times 2 =$$

$$(9 \div 7) - 14 \div 2 =$$

$$[7 + (7 - 6)] + 5 \times 3 =$$

$$2 \times (6 + 12 - 7) =$$

$$(12 - 2) \div 5 + 7 =$$

# Optional Printable Pages

Recruits: These cipher key creators may come in handy as you help in this mission.

 Cipher Key Creator 

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z

Copyright ©2018

 Cipher Key Creator 


T	U	V	W	X	Y	Z

T	U	V	W	X	Y	Z

TOP SECRET

NAME: Oss, Kay  
 KNOWN ALIAS: Chaos



**WANTED FOR:**

Kay Oss is suspected of causing mass confusion by teaching people that math problems must be solved from left to right instead of by following the order of operations. This has resulted in chaos and disputes as people fight over the correct answer to math problems.

Oss has been known to tear the pages out of math books that teach order of operations and replace them with instructions of her own.

**METHODS OF OPERATION:**

Kay Oss has evaded capture by encrypting messages using a variety of methods that mix up the order of the alphabet such as Caesar Shift Ciphers. It is suspected that she is also devising new techniques for keeping her messages secure using other substitution ciphers.

CONFIDENTIAL

## Cipher Key & Dossier

## Success Signs

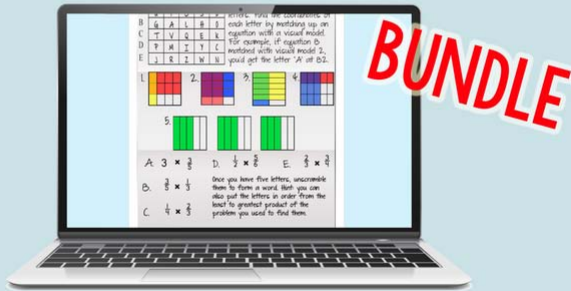
WE RESTORED ORDER!



# You May Also Like

## The Great CLASSROOM ESCAPE

Operations with Fractions  
**DIGITAL ESCAPE ROOM!**

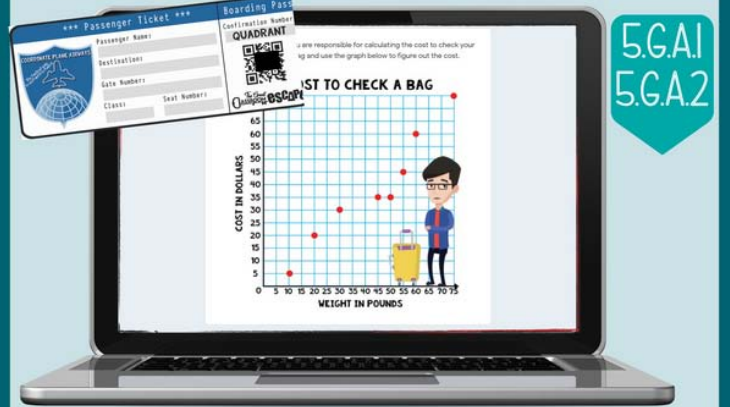


**5TH GRADE MATH CONTENT**

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

## The Great CLASSROOM ESCAPE

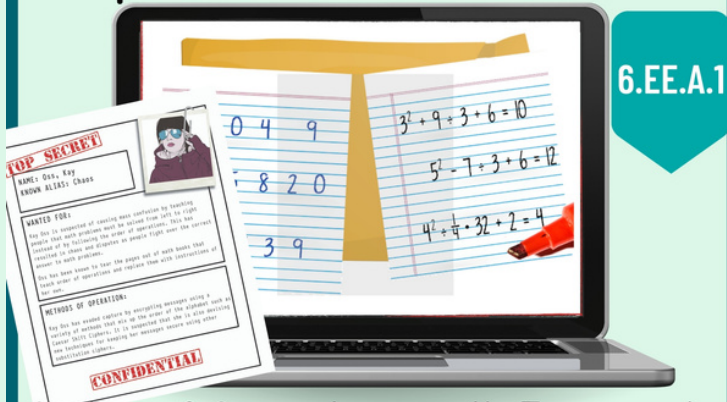
Coordinate Plane- First Quadrant



Escape the Airport  
**DIGITAL ESCAPE ROOM!**

## The Great CLASSROOM ESCAPE

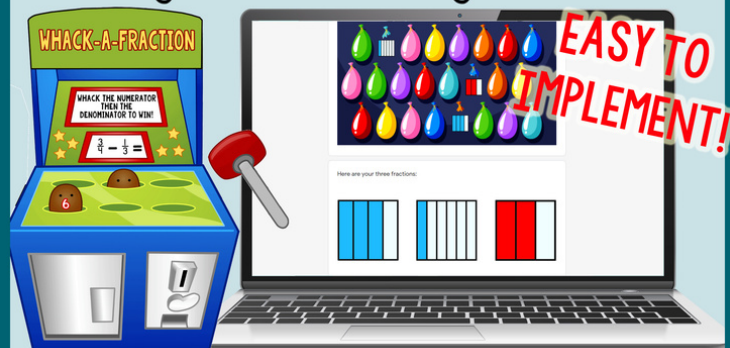
Operation Restore Order



Order of Operations with Exponents  
**DIGITAL ESCAPE ROOM!**

## The Great CLASSROOM ESCAPE

ESCAPE THE ARCADE  
Adding & Subtracting Fractions



5TH GRADE CONTENT 5.NF.A.1  
**DIGITAL ESCAPE ROOM!**

## The Great CLASSROOM ESCAPE

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