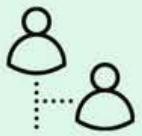5th Grade Math Skills
Add & subtract fractions and mixed-numbers with unlike denominators (with regrouping).

Fast Facts

- **Differentiated! Two levels of difficulty**
- **No prep, click & go! Optional printable pages**
- **Escape Time ~45-60 minutes**
- **Best used in pairs or small groups**
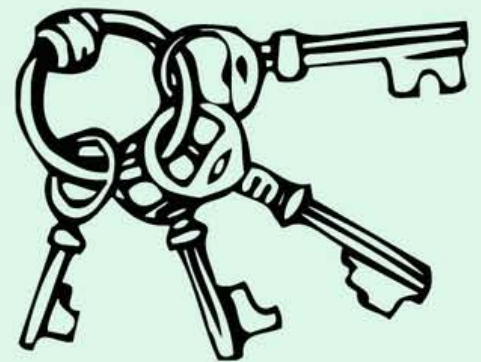- **Requires internet connected device**
- **Self-Checking**
- **Virtual or in-person**
- **Four Engaging Puzzles**

# 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.

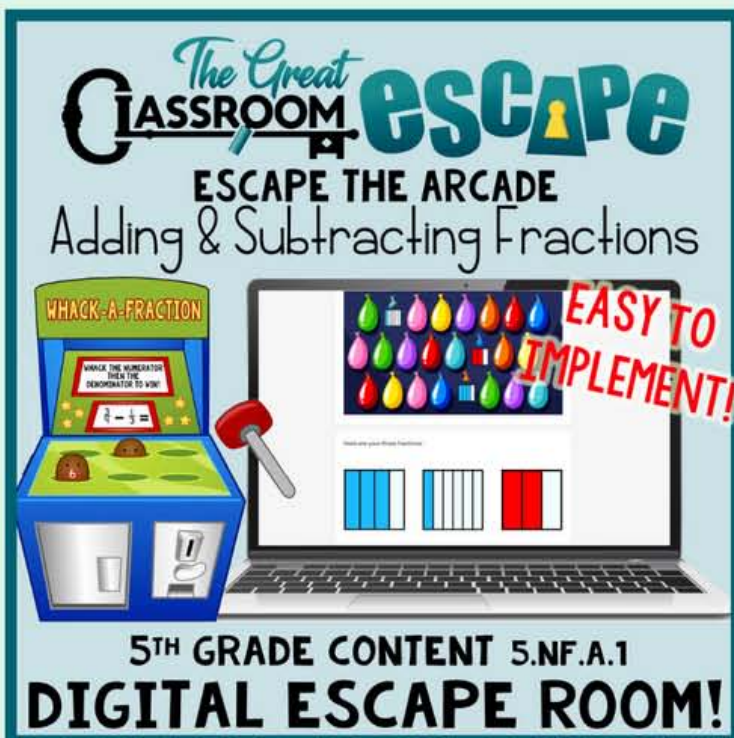- The form provides hints if students enter incorrect answers.
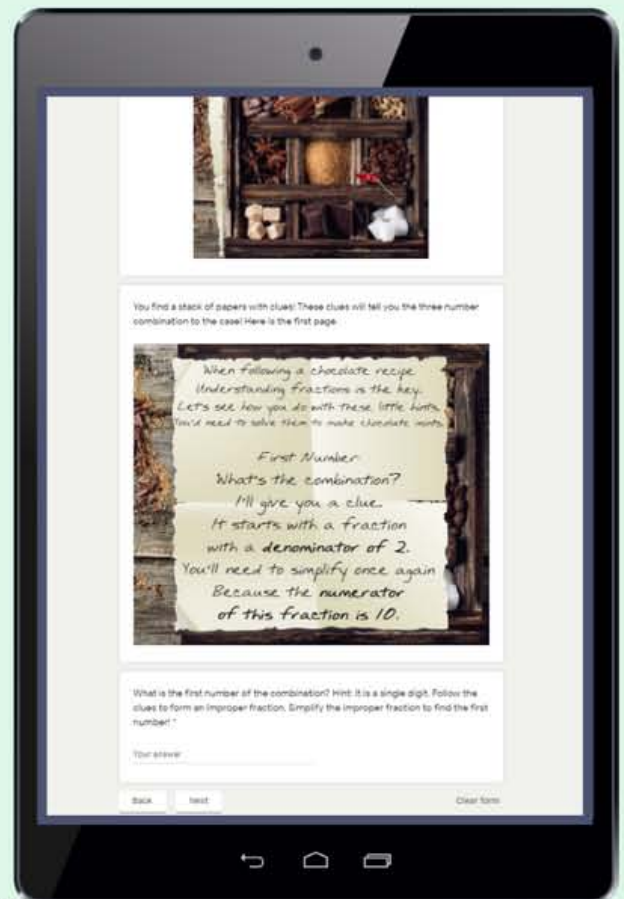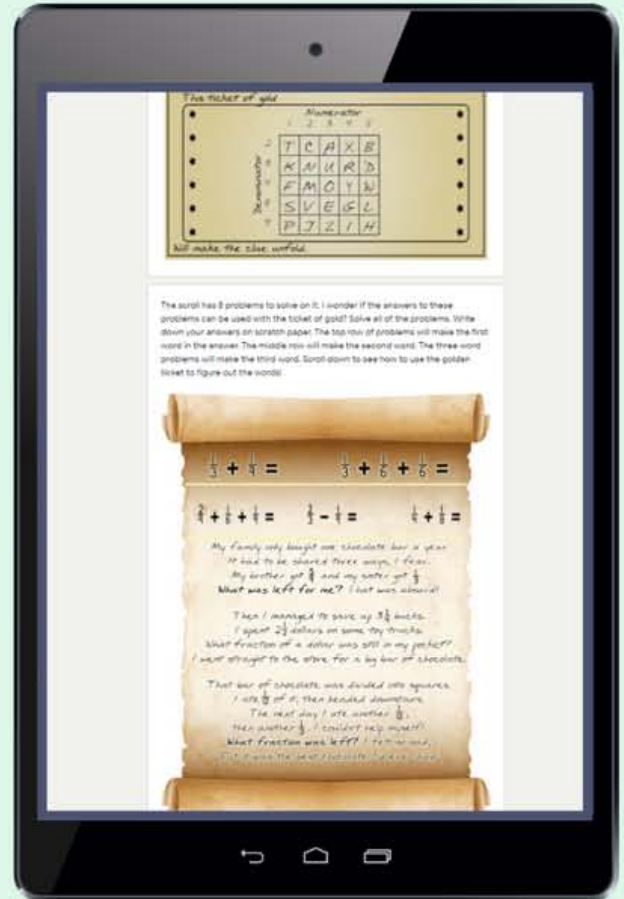
Two Versions for Differentiation

Version A
More Challenging

- **Very challenging! Best used in small groups**
- **More fraction problems**
- **Some hints provided**
- **Multiple steps to complete before entering code**

Version B
Easier

- **Best for pairs or small groups**
- **Fewer problems**
- **More hints provided**
- **Puzzles are broken down into smaller parts to complete**

The Great CLASSROOM escape

ESCAPE THE ARCADE

Adding & Subtracting Fractions

WHACK-A-FRACTION

WHACK THE NUMERATOR THEN THE DENOMINATOR TO WIN!

EASY TO IMPLEMENT!

5TH GRADE CONTENT 5.NF.A.1

DIGITAL ESCAPE ROOM!

For an "easier" adding & subtracting fractions escape room, please see escape the arcade! This product includes fractions with unlike denominators, but not mixed-numbers or regrouping.

Puzzle Preview Version A (More Challenging)

Chocolate Chili Bars

Ingredients:
- 3/8 pound dark chocolate
- 1/4 pound milk chocolate
- 1/16 pound cocoa powder
- ___ pound ground chili
- 3/16 pound cinnamon sugar

Measure all ingredients and combine in a double boiler. Stir constantly until melted. Pour into molds and let chill 3 hours.

A key you seek,
A key I have found.

⊏⊏·⊔·⊏∀ >⊓□
⌐⊔⌐⊔⌐⊐⊓

>⊏ ⊐⌐⊔□ ⌐
⊏<⊔⊔ ⊓⊏<□⊐.

A	B	C		J.	K.	L.
D	E	F		M.	N.	O.
G	H	I		P.	Q.	R.

S		W
T · U		X · Y
V		Z

When following a chocolate recipe
Understanding fractions is the key.
Let's see how you do with these little hints.
You'd need to solve them to make chocolate mints.

What's the combination? I'll give you a clue.
It starts with a fraction with a denominator of 2.
You'll need to simplify once again
Because the numerator in this fraction is 10.

The second number in the combo is what you'll see
Starting with a numerator of 10 and denominator of 3
Add this to another fraction with this mix:
A numerator of 16 and denominator of 6.

The last number is tricky, I have to say.
Start with $\frac{5}{12}$ and take $\frac{1}{4}$ away.
Take away another $\frac{1}{6}$ and what have you got?
You have the combination, give the lock a shot!

Puzzle Preview Version A

$\frac{1}{8} + \frac{1}{2} =$ $\qquad$ $1\frac{1}{4} - \frac{1}{2} =$ $\qquad$ $\frac{11}{12} - \frac{1}{6} =$ $\qquad$ $\frac{5}{6} - \frac{1}{2} =$

$\frac{1}{3} + \frac{1}{9} =$ $\qquad\qquad$ $\frac{1}{3} + \frac{1}{6} + \frac{1}{12} + \frac{1}{12} =$

$\frac{2}{9} + \frac{1}{6} + \frac{1}{9} =$ $\qquad$ $\frac{2}{3} - \frac{1}{9} =$ $\qquad\qquad$ $\frac{1}{4} + \frac{1}{8} =$

My family only bought one chocolate bar a year
It had to be shared three ways, I fear.
My brother got ⅗ and my sister got ⅓.
What was left for me? That was absurd!

Then I managed to save up 3 ¼ ...
I spent 2 ½ dollars on some toy ...
What fraction of a dollar was still in ...
I went straight to the store for a big ba...

That bar of chocolate was divided i...
I ate just ½ of it, then headed do...
The next day I had another ...
then another ⅓. I couldn't help ...
What was left? I felt so sa...
But it was the best chocolate I'd e...

This ticket of gold

	Numerator				
Denominator		1	2	3	4	5
2	T	C	A	X	B
3	K	N	U	R	D
4	F	M	O	Y	W
5	S	V	E	G	L
9	P	J	Z	I	H

Will make the clue unfold.

Take this paper out.

Chocolate Inventory $\qquad 3\frac{1}{3}$
I use it up,
but then I buy more. $\qquad -1\frac{1}{2}$
How much chocolate
do I have in my store? $\qquad +4\frac{3}{4}$

Enter a mixed number,
not an improper $\qquad -5\frac{2}{3}$
fraction.
Use a / for a fraction $\qquad +3\frac{5}{12}$
bar to see the
reaction.

Don't forget to
simplify.
Think you're ready?
give it a try.

Type the final answer, $\qquad$ The unit of measure is
and you will see $\qquad$ a pound.
if you've done enough $\qquad$ No need to type a
to get your key. $\qquad$ label, how does that
$\qquad\qquad$ sound?

You Might Also Like

The Great Classroom Escape
Operations with Fractions
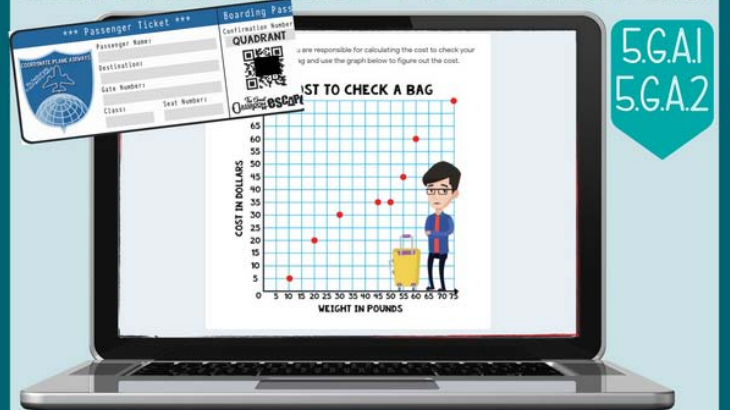### DIGITAL ESCAPE ROOM!
BUNDLE
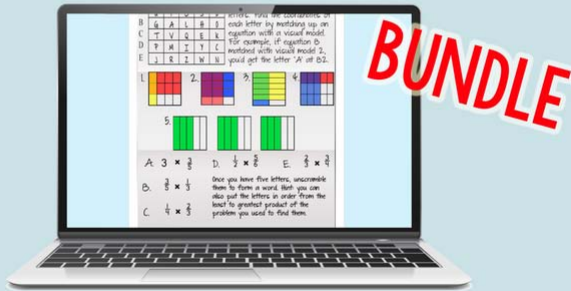
5TH GRADE MATH CONTENT
Numbers & Operations - Fractions Standards
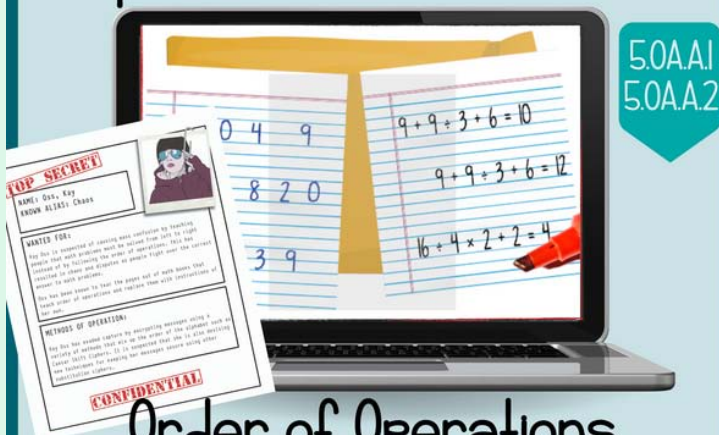Easy to implement! Automated by Google Forms™!

The Great Classroom Escape
Coordinate Plane- First Quadrant

5.G.A.1
5.G.A.2

Escape the Airport
DIGITAL ESCAPE ROOM!

The Great Classroom Escape
Operation Restore Order

5.O.A.A.1
5.O.A.A.2

Order of Operations
DIGITAL ESCAPE ROOM!

The Great Classroom Escape
ESCAPE THE ARCADE
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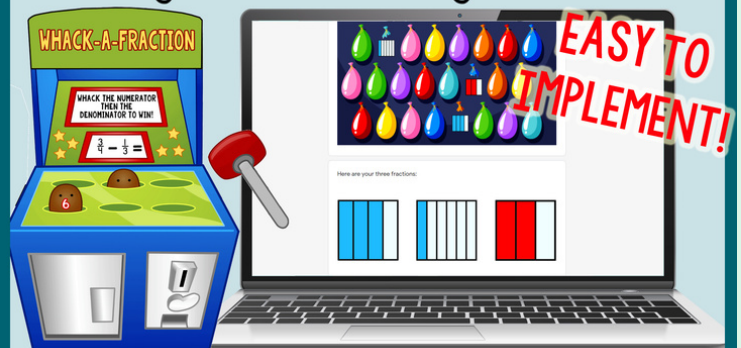
5TH GRADE CONTENT 5.NF.A.1
DIGITAL ESCAPE ROOM!

The Great Classroom Escape

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