

ESCAPE THE ARCADE

5th
Grade

Adding & Subtracting Fractions

Digital Escape Room



Standards

5.NF.A.1

5th Grade Math Skills

Add and subtract fractions finding a common denominator (no mixed-numbers or regrouping)

Fast Facts

 No prep, click & go! Optional printable pages

 Escape Time ~40-60 minutes

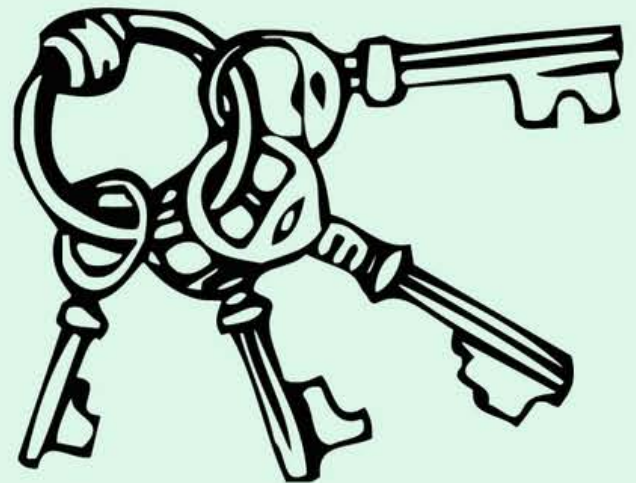
 Use in pairs, small groups, or individually

 Requires internet connected device

 Self-Checking

 Virtual or in-person

 Six engaging puzzles

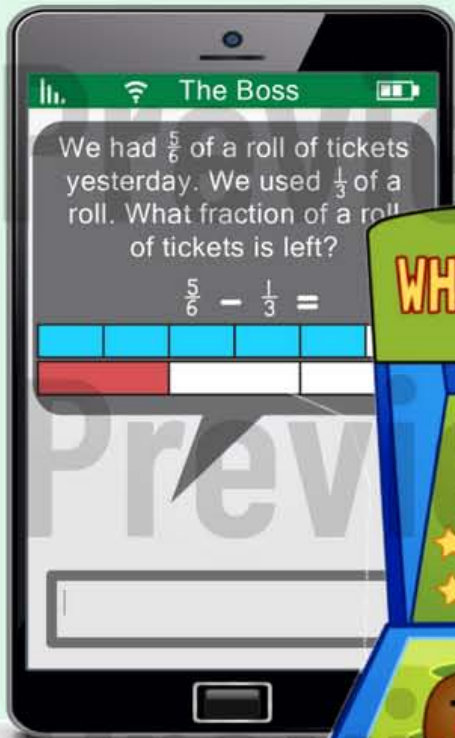


How it Works:

- 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



A ticket is yours if you can tell the attendant the "Magic Word."

1. First solve the problems. **Put the answers in simplest form.**
2. Use the code below to turn the numbers in both the numerators and denominators of your answers into letters.
Code: A=1, B=2, C=3 ... Z=26

Unscramble the letters to make the magic word.

$$\frac{1}{2} + \frac{1}{10} = \frac{\square}{\square}$$

$$\frac{6}{2} - \frac{2}{3} = \frac{\square}{\square}$$

$$\frac{2}{2} - \frac{2}{9} = \frac{\square}{\square}$$

-letter word has something to do with fractions!

Three "Whack-a-Fraction Problems"



Puzzle Preview



Strength Test Score Card

$$\frac{1}{6} + \frac{1}{2} = \boxed{}$$

Swing 1 Score

Sum of

To find the score you total from above 1

$$\frac{1}{6} + \frac{1}{2} = \frac{2}{3}$$

Swing 1 Score

Swing 2 Score

Sum of first 2 Swings

To find the score you need for your third swing, copy your total from above (purple box) into the purple box below.

$$\frac{1}{1} - \frac{2}{3} = \boxed{}$$

Score needed to win

Sum of first 2 Swings

Score needed on swing 3

Guess My Fraction and Win!

I'm thinking of one of the fractions below.

*If I add the fraction to $\frac{4}{9}$, I need to find a common denominator. The **smallest** common denominator I could use is 18.

*If you add $\frac{4}{9}$ to my fraction, the sum is an improper fraction or a mixed-number.

$\frac{7}{8}$	$\frac{2}{3}$	$\frac{7}{9}$	$\frac{1}{2}$
$\frac{5}{6}$	$\frac{3}{4}$	$\frac{1}{6}$	$\frac{1}{3}$

One method for clue 1 is to form equivalent expressions.

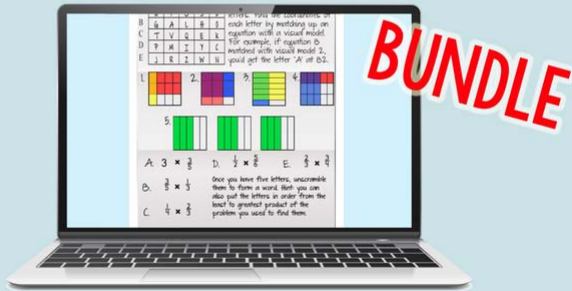
To add $\frac{7}{8}$ to $\frac{4}{9}$, the smallest (least) common denominator you could use is 72. So, $\frac{7}{8}$ can't be the right answer.

$$\frac{4}{9} + \frac{7}{8} = \frac{32}{72} + \frac{63}{72}$$

You May Also Like

The Great CLASSROOM ESCAPE

Operations with Fractions
DIGITAL ESCAPE ROOM!

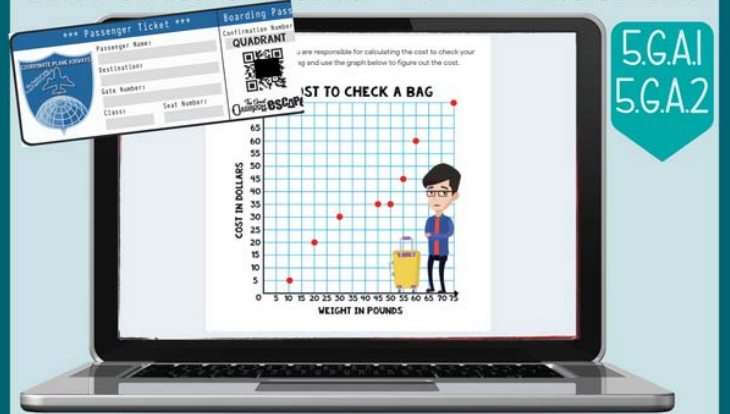


5TH GRADE MATH CONTENT

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

The Great CLASSROOM ESCAPE

Coordinate Plane- First Quadrant

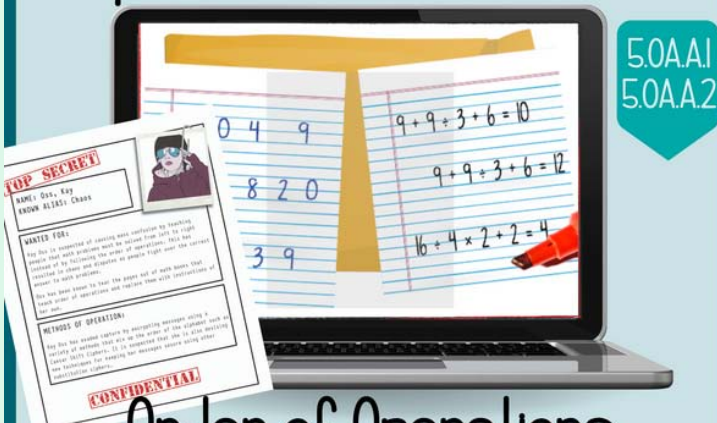


5.G.A.1
5.G.A.2

Escape the Airport
DIGITAL ESCAPE ROOM!

The Great CLASSROOM ESCAPE

Operation Restore Order



5.OA.A.1
5.OA.A.2

Order of Operations
DIGITAL ESCAPE ROOM!

The Great CLASSROOM ESCAPE

Volume

5th Grade Measurement & Data



DIGITAL ESCAPE ROOM!

The Great CLASSROOM ESCAPE

TERMS OF USE AND COPYRIGHT

This activity was designed by a teacher and mom. It is only available for purchase at greatclassroomescape.com and teacherspayteachers.com. Please respect our terms of use and copyright rules.

YOU MAY

- The original purchaser may use this product for personal use, in one classroom, or with one family for the children that live in that home.
- Post links to the digital breakouts for your class on a password protected learning management system such as Google Classroom™, Seesaw™, Schoology™.
- Purchase multiple licenses at a discounted rate in order to use this product in more than one classroom.

YOU MAY NOT

- Give this product to friends or colleagues in either printed or digital form.
- Post this item for sale or for free.
- Copy this item for use by others.
- Upload this product to any website for others to download. This is a violation of the Digital Millennium Copyright Act.
- Post links to this product on a **non-password protected website**. This includes personal websites, class websites, district websites, etc.
- Use this product on for-profit sites such as Outschool.

Copyright ©2019 Kiersten Yager Williams. All Rights Reserved. Duplication of this product in any format for commercial purposes, for teachers other than the original purchaser, or for entire school systems is strictly prohibited.

Please contact kiersten@greatclassroomescape.com if you have any questions about copyright or our terms of use.

