



5th
Grade

Multiplying Fractions

Digital Escape Room

Ahoy! The password has five letters. Find the coordinates of each letter by matching up an equation with a visual model. For example, if equation B matched with visual model 2, you'd get the letter 'A' at B2.

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

1.

2.

3.

4.

5.

A. $3 \times \frac{3}{5}$ D. $\frac{1}{2} \times \frac{5}{6}$ E. $\frac{2}{3} \times \frac{3}{4}$

B. $\frac{3}{5} \times \frac{1}{3}$

C. $\frac{1}{4} \times \frac{2}{3}$

Once you have five letters, unscramble them to form a word. Hint: you can also put the letters in order from the least to greatest product of the problem you used to find them.

Standards

5.NF.B.4a, 5.NF.B.4b,
5.NF.B.5, 5.NF.B.5a,
5.NF.B.6

5th Grade Math Skills
Multiply fractions & mixed-numbers,
solve multiplying fractions word
problems, use visual models & more!

Fast Facts

 No prep, click & go! Optional printable pages

 Escape Time ~45-60 minutes

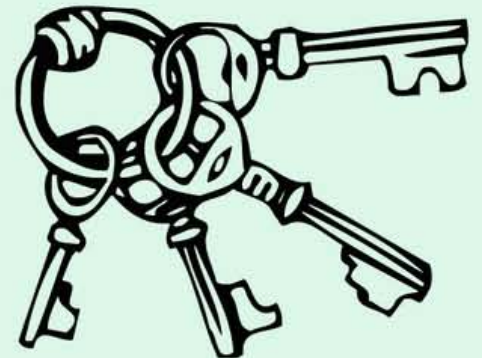
 Recommended for pairs or small groups

 Requires internet connected device

 Self-Checking

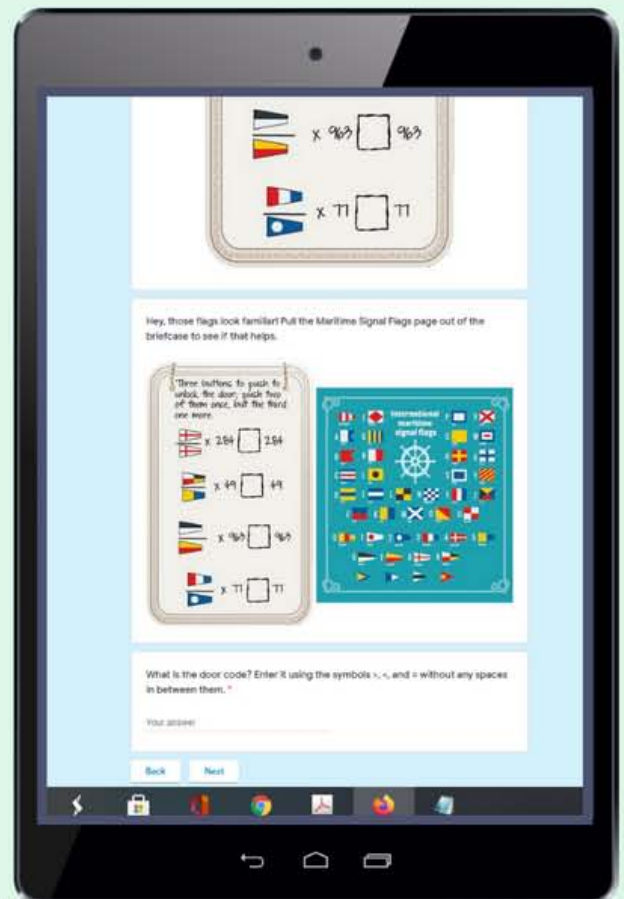
 Virtual or in-person

 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



Calculation Cruise Lines

This keycard grants you access to room:

$$1 \frac{5}{8} \times 2 \frac{2}{3}$$

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

Ahoy! - letters. each let equation For exa matched you'd ge



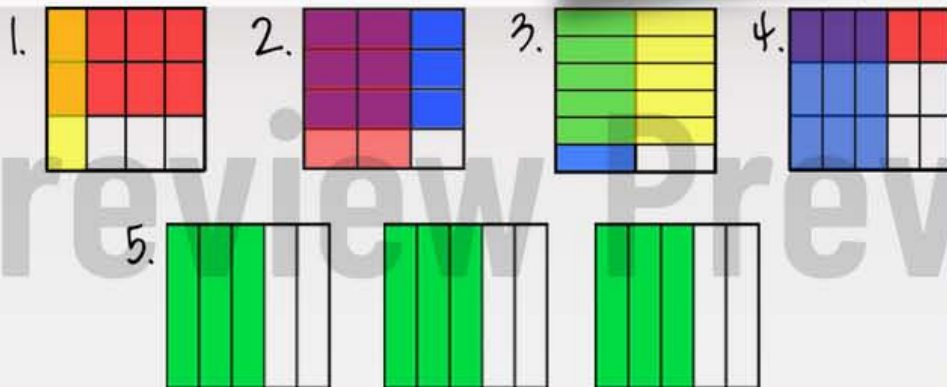
Calculation Cruise Lines

A secret passage to the engine room lies within a room on the cruise ship. These cruise facts will help you find that room.

The average person will eat $\frac{3}{5}$ of a cake while aboard the ship. How many cakes will be needed for every 10 guests?

Space is limited aboard the ship. Your room is equipped with a rectangular closet measuring precisely $2\frac{1}{4}$ feet by $2\frac{2}{3}$ feet. Good luck fitting your luggage into this many square feet.

There are 12 service animals aboard the ship. $\frac{2}{3}$ of them are dogs. How many are not dogs?



- A. $3 \times \frac{3}{5}$ D. $\frac{1}{2} \times \frac{5}{6}$ E. $\frac{2}{3} \times \frac{3}{4}$
 B. $\frac{3}{5} \times \frac{1}{3}$
 C. $\frac{1}{4} \times \frac{2}{3}$
- Once you have five letters, unscramble them to form a word. Hint: you can also put the letters in order from the least to greatest product of the problem you used to find them.

Puzzle Preview



MORSE CODE



Three buttons to push to unlock the door; push two of them once, but the third one more.

x 284 284

x 49 49

x 963 963

x T



Next, turn the handle to the



Finally, turn the handle to the right $\frac{5}{8}$ of six full rotations



To access the water slide to the engine room, first turn the handle $3 \times \frac{3}{4}$ times to the right.

Optional Printable Pages

Directions: Print one cruise ticket for each group of students. The QR code leads to the Google Form™ to begin the escape room. Please point out the password "Multiply" to students.



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Ticket
with
optional
QR code

Success
Signs

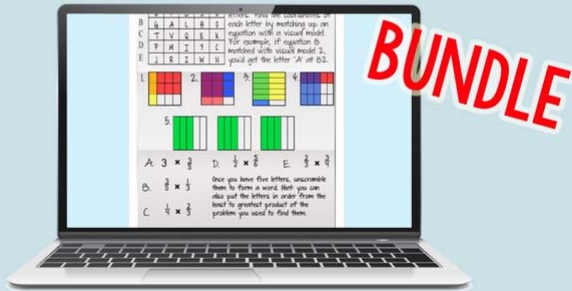


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You May Also Like

The Great CLASSROOM ESCAPE

Operations with Fractions
DIGITAL ESCAPE ROOM!

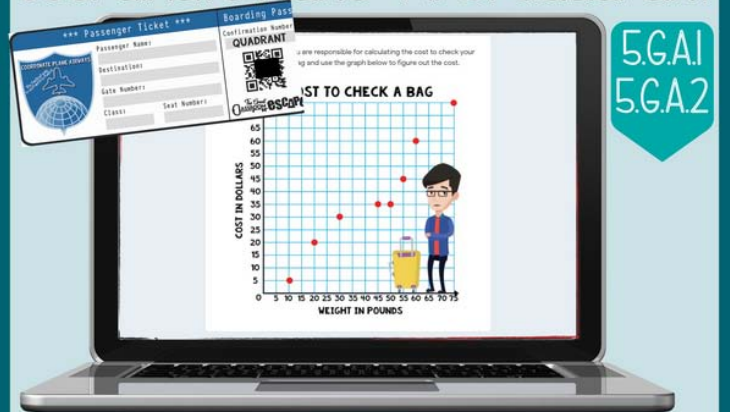


5TH GRADE MATH CONTENT

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

The Great CLASSROOM ESCAPE

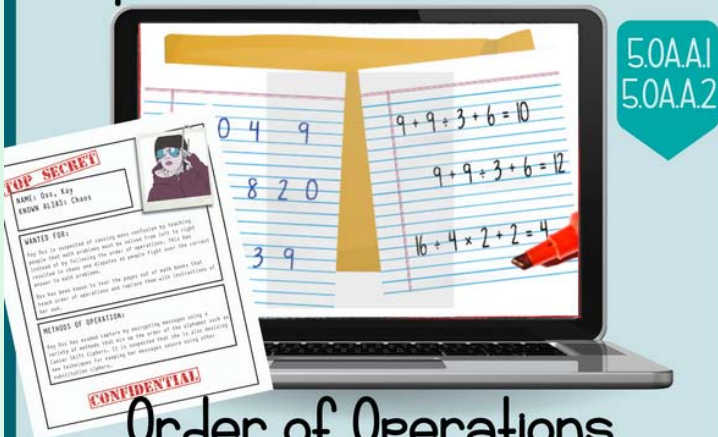
Coordinate Plane- First Quadrant



Escape the Airport
DIGITAL ESCAPE ROOM!

The Great CLASSROOM ESCAPE

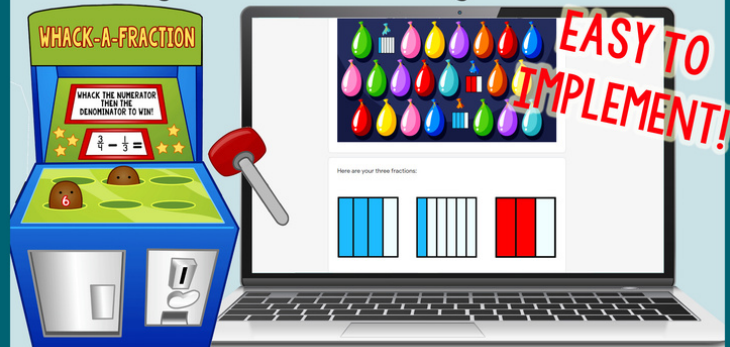
Operation Restore Order



Order of Operations
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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