TOP SECRET

The Great CLASSROOM ESCAPE

5th Grade

Place Value & Decimals
Digital Escape Room

Step 1:
Round 645.98 to the nearest GRAGU.

Step 2:
FHOGENPG 278.16 from your first answer.

Step 3:
Multiply your answer from step 2 by GJB.

Step 4:
NQQ 130.06 hundredths to your last answer.

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5th Grade Math Skills

Understand the value of a digit, round decimal numbers; add, subtract, & multiply decimals; powers of 10 & more!

Fast Facts

- ✂ No prep, click & go! Optional printable pages
- 🕐 Escape Time ~30-60 minutes (long & short version included)
- 👤 Best used in pairs or small groups
- 🖥 Requires internet connected device
- ✔ Self-Checking
- 💻 Virtual or in-person
- 🧩 5-7 puzzles (there is a short & a long version of this escape room)
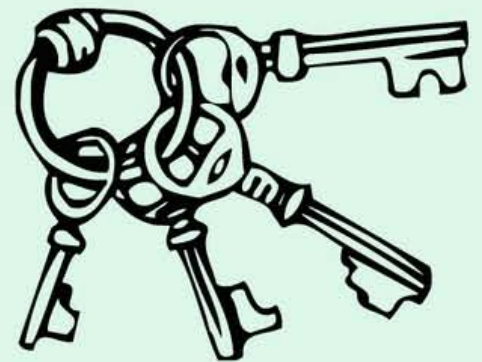
How it Works:

- 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.
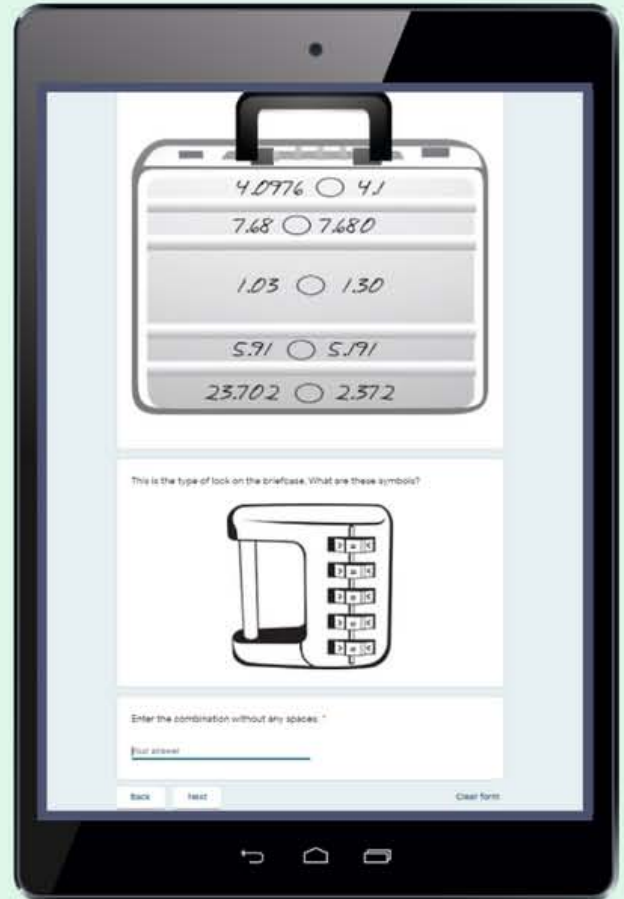
Puzzle Preview

So you found my home. I think I deserve a l... fun with decimals before you capture me. I... deep in my home. Can you open all of the d... me?

I'll make this one easy by telling you all of th... the code. You'll have to rearrange the digits... I'll give you some clues:

The digit 2 in the code has a value th... times greater than the digit 2 in 3...

The digit 3 in the code has a value tha... the value of the digit 3 in 367...

The digit 7 in the code has a value tha... the value of the digit 7 in 367...

The digit 5 in the code has a value 10,... greater than the digit 5 in 367...

The digit 6 in the code has a value tha... the digit 6 in 367.25

$(5 \times 10{,}000) + (8 \times 100) +$
$(3 \times 10) + (9 \times \frac{1}{10}) + (7 \times \frac{1}{100}) =$

Preview

↓	A	B	C	D	E	F	G
↑	N	O	P	Q	R	S	T

V YVXR GB EBHA...

I LIKE TO ROUN...

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Puzzle Preview

Do you want to know how I got started in my life of decimal crime? I love candy. When I was a kid, my dad said I had to spend my own money if I wanted to buy candy. So I put a $10 bill in m[y] and headed to th[e] got three king-s[ized] candy bars for $[...] couldn't believe it[...] the cashier told m[e] total!

I handed my $10 bill over to the cashier for those three king-sized candy bars. As she counted out my change, a plan came [into] mind. Do you [kno]w much change I [supp]osed to get? That [would m]ake me very

$4.63 in change? I went straight home and got to hacking. I hacked into the store's cash register software. The next time I went to the store, I didn't get $4.63 in change. The cashier looked shocked when the register said I should get $4.63 × 10^4 in change. He called his m[anager] over. The manager rang [me up] again and got [the same] resu[lt] so she wrote me [a] check[.] [D]o you know ho[w...]

My number has hundreds, tens, ones, tenths, hundredths, and thousandths. The digits 0, 2, 3, 5, 8, and 9 are each used once.

Clue 1: If you round my number to the nearest hundred, you get 400. (This tells you all you need to know to figure out what number is in the hundred's place.)

Clue 2: The number in the ten's place is even. (Based on the first clue, now you know the number in the ten's place).

Clue 3: If you round my number to the nearest hundredth, the number in the hundredth's place becomes a 1. (This tells you what goes in the hundredth's place, and which number can not go in the thousandth's place).

Clue 4: The 5 goes in the one's place.

Clue 5: Read through all of the clues again. You have all of the information you need to find my number!

4.0976 ◯ 4.1

7.68 ◯ 7.680

1.03 ◯ 1.30

5.91 ◯ 5.191

23.702 ◯ 2.372

MATHEMATICAL SECURITY AGENCY

If your mission is a success, the M.S.A. will give you a secret pass phrase to tell your teacher. Record it here, then present this form to your teacher.

_____

_____

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TOP SECRET

NAME: MAL, DESS E.
KNOWN ALIAS:
Decimal Deceiver

CRIMINAL HISTORY:

Dess E. Mal started his life of decimal crime at a young age. He was known to sneak around grocery stores, moving decimal points on the items. An unsuspecting shopper who thought their grocery bill should be $37.25 got to the checkout and their bill rang up at $3,725.00. Much to the store's shock, another customer should have been charged $85.00 for their purchases only paid $.85 for their items.

WANTED FOR:

It is suspected that Dess E. Mal has developed software that can hack into a store's cash register system. This allows Mal to manipulate prices. By changing place values, Dess E. Mal has put many stores, especially candy stores, out of business.

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Dossier & Secret Mission Info

Success Signs

DECIMAL DETECTIVE!

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You May Also Like

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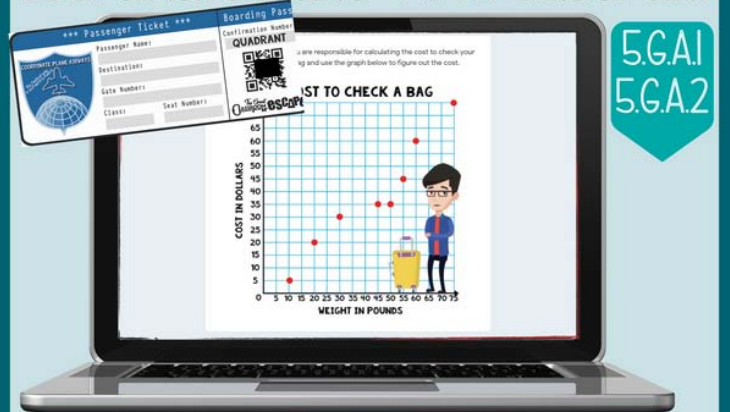Operations with Fractions
DIGITAL ESCAPE ROOM!
BUNDLE
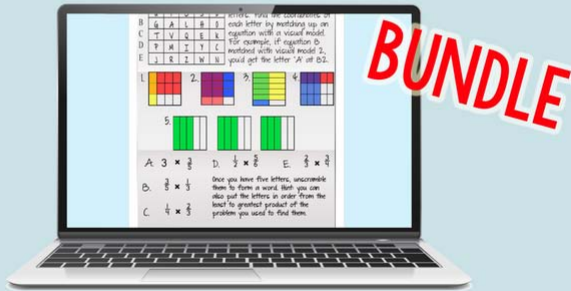
5TH GRADE MATH CONTENT
Numbers & Operations - Fractions Standards
Easy to implement! Automated by Google Forms™!

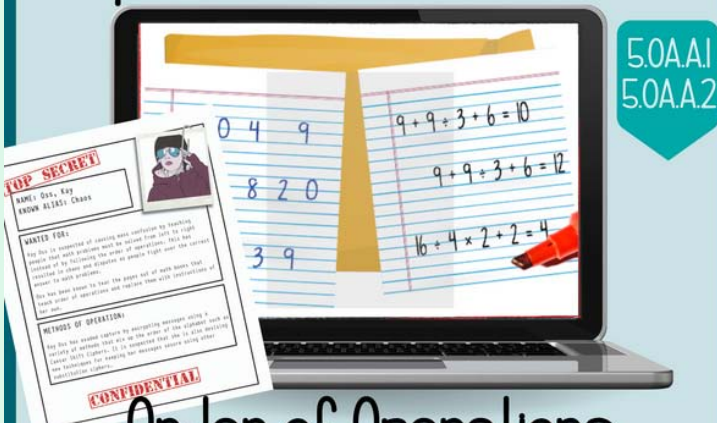The Great Classroom escape
Coordinate Plane- First Quadrant
5.G.A.1
5.G.A.2
Escape the Airport
DIGITAL ESCAPE ROOM!

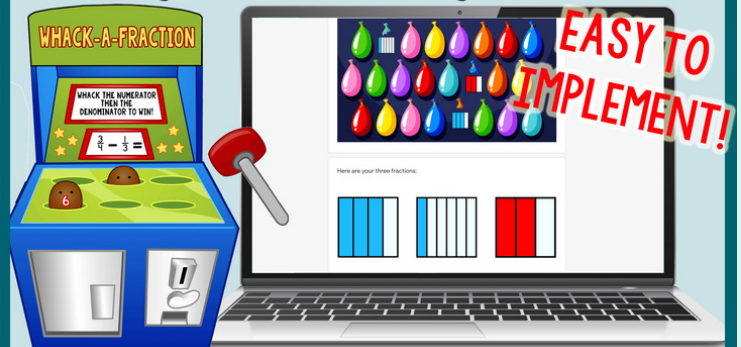The Great Classroom escape
Operation Restore Order
5.O.A.A.1
5.O.A.A.2
Order of Operations
DIGITAL ESCAPE ROOM!

The Great Classroom escape
ESCAPE THE ARCADE
Adding & Subtracting Fractions
EASY TO IMPLEMENT!
5TH GRADE CONTENT 5.NF.A.1
DIGITAL ESCAPE ROOM!

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