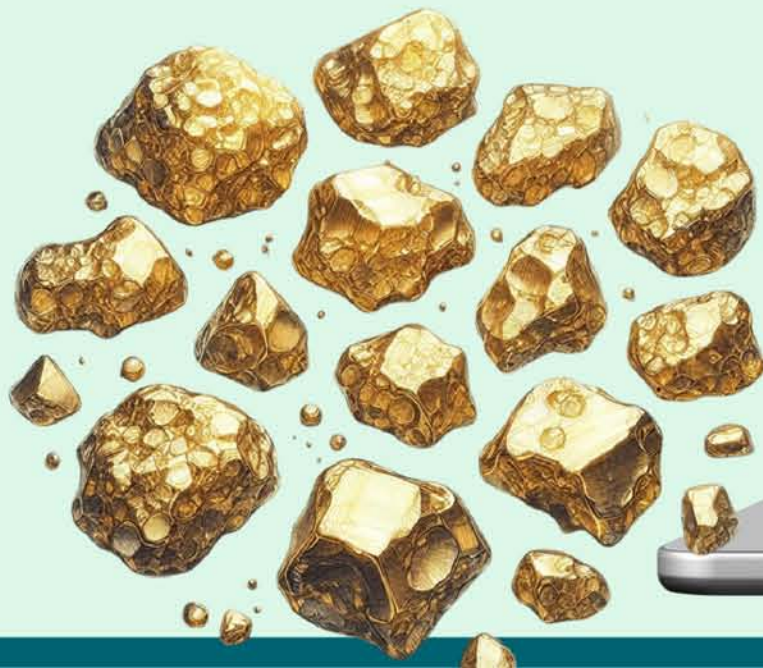


LEGEND OF THE LOST MINE

The Great
CLASSROOM ESCAPE

Decimals & Fractions



Digital
Escape
Room

Standards

4.NF.C.5

4.NF.C.6

4.NF.C.7

4th Grade Skills

- Adding fractions with denominators of 10 & 100
- Recognizing decimals to the hundredths on a number line (including decomposing tenths)
- Comparing decimals to the hundredths
- Converting decimals to fractions & more!

Fast Facts

 Click & go! One optional page to print

 Escape Time ~20-45 minutes

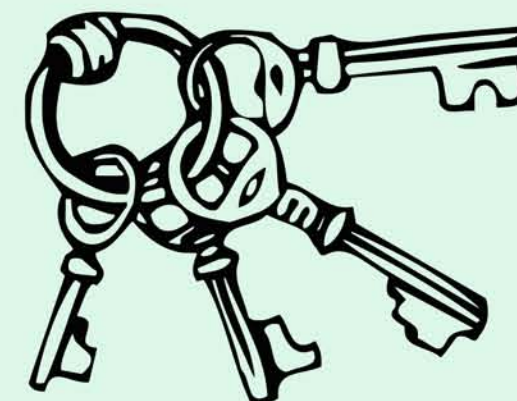
 Use individually, in pairs, or groups

 Requires internet connected device

 Self-Checking

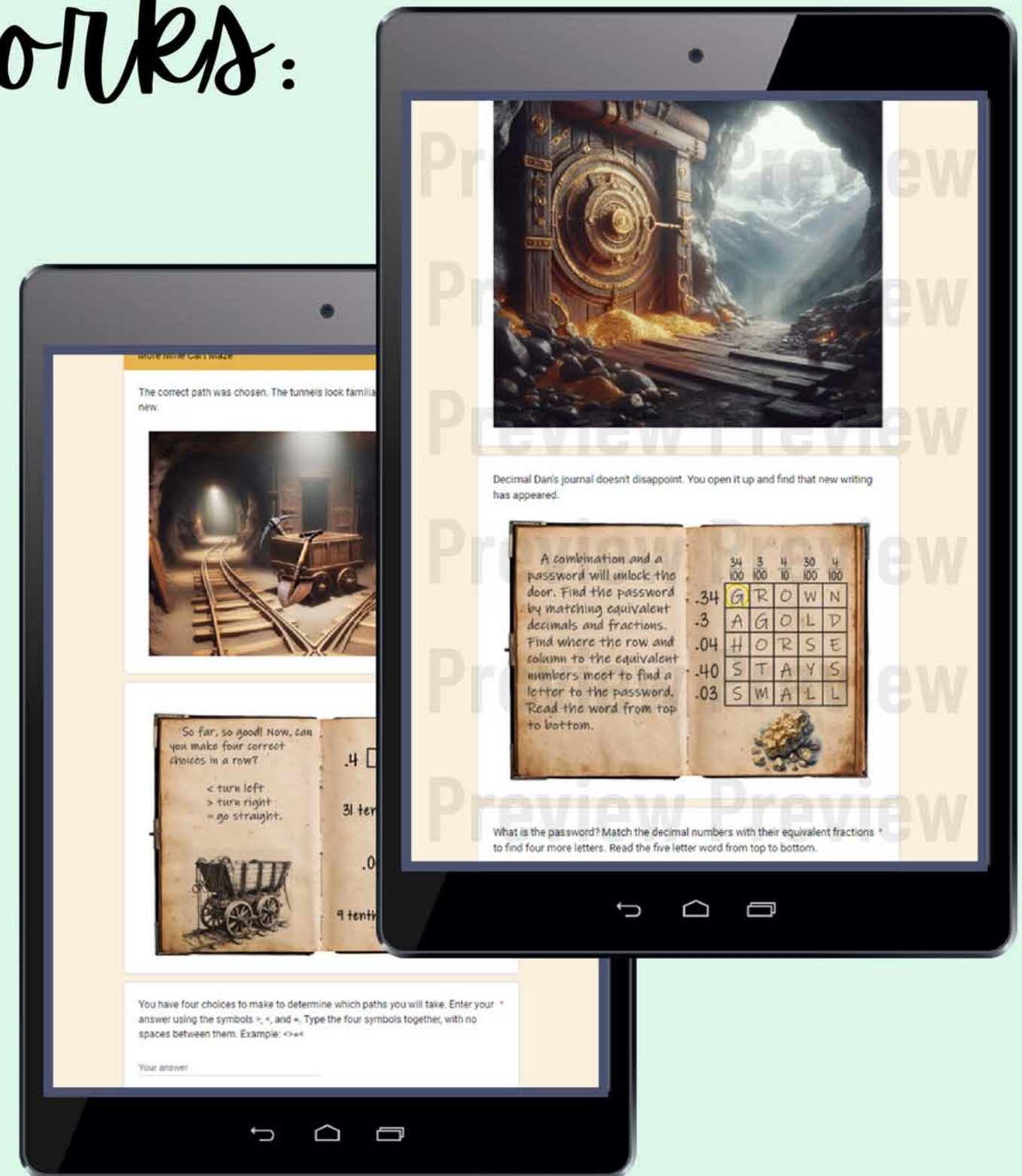
 Virtual or in-person

 Five + Engaging Puzzles



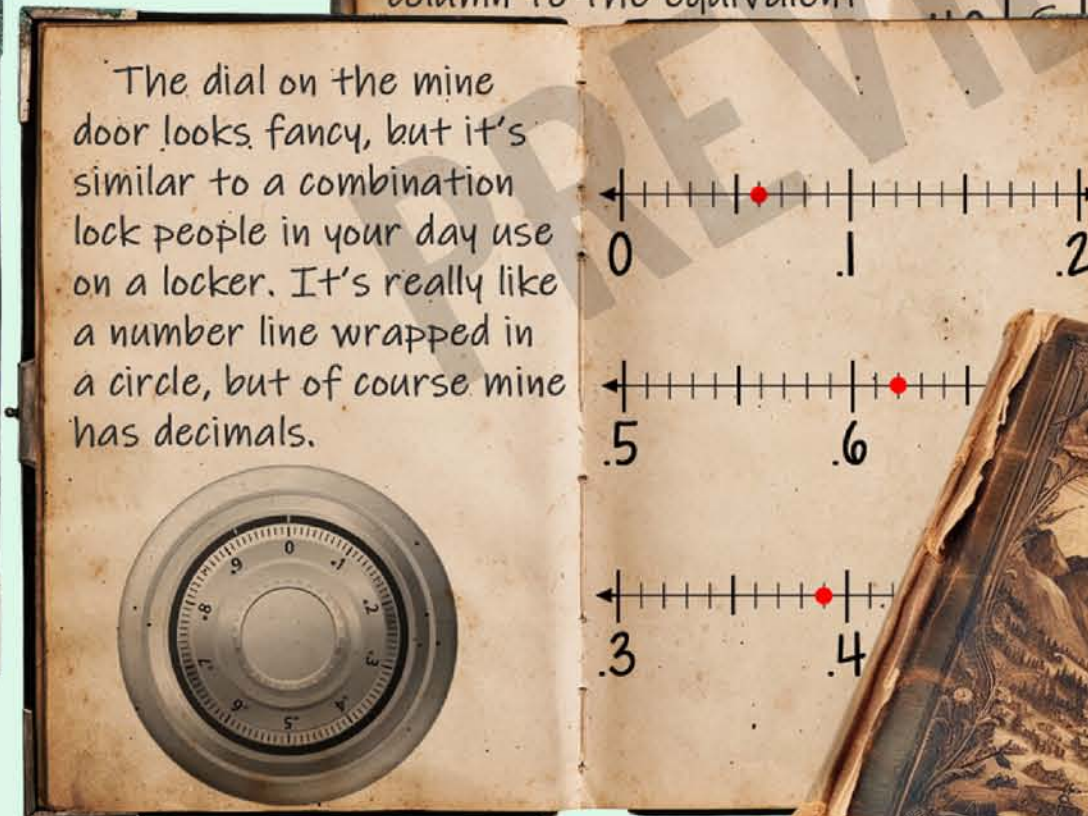
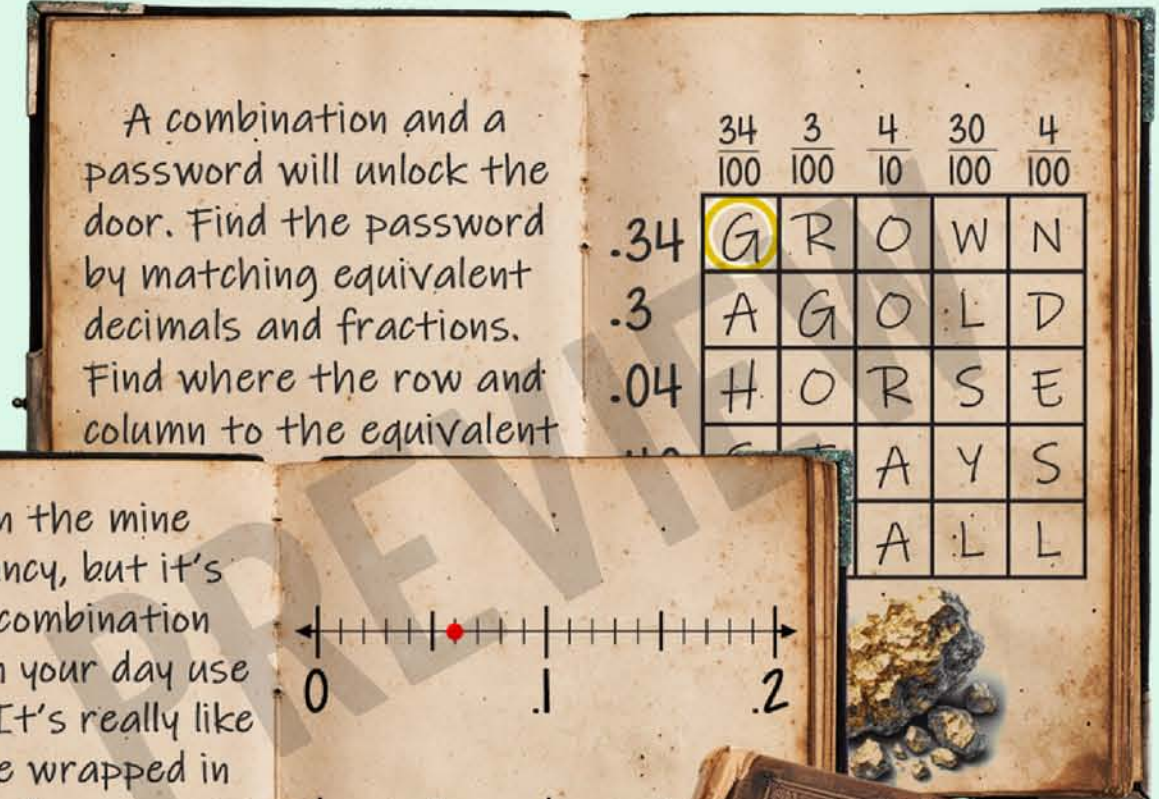
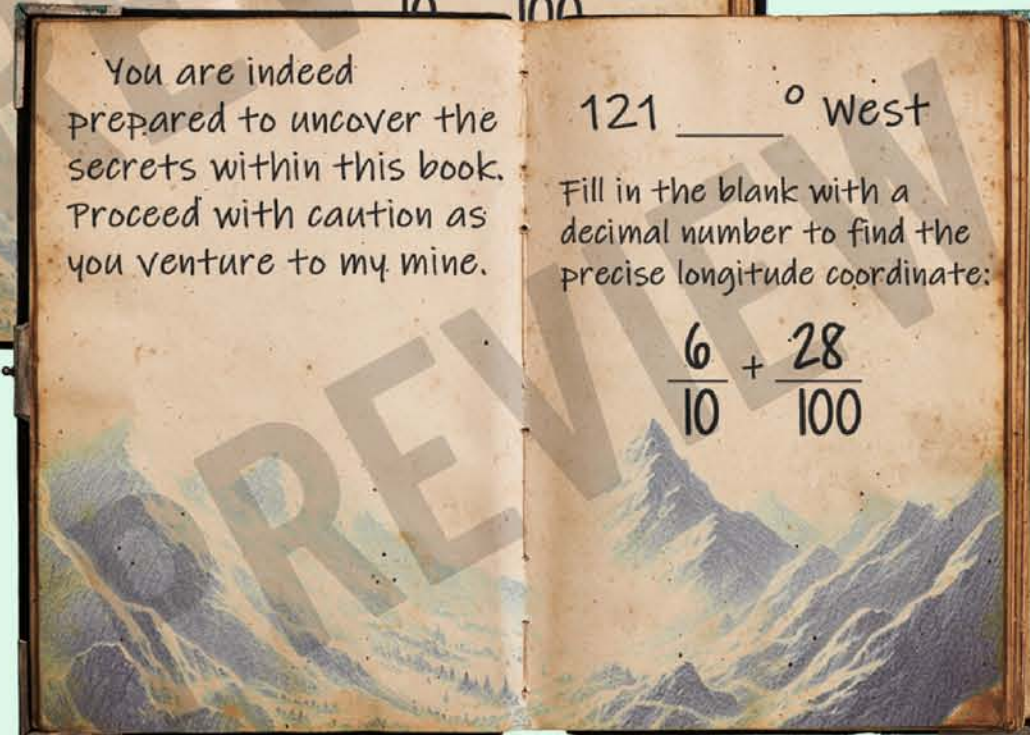
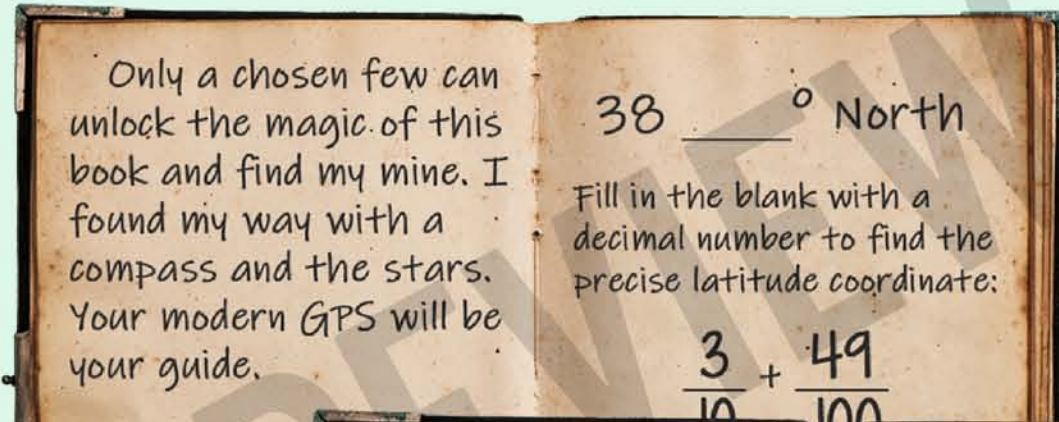
How it Works:

- 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

Finding equivalent decimals & fractions



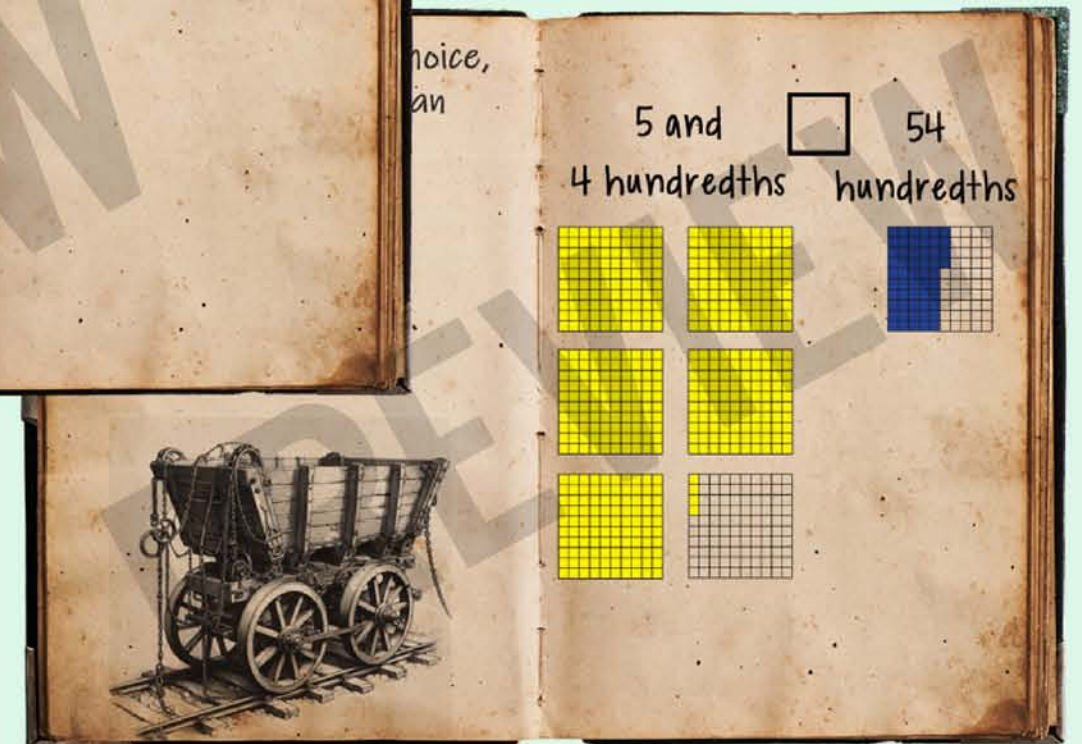
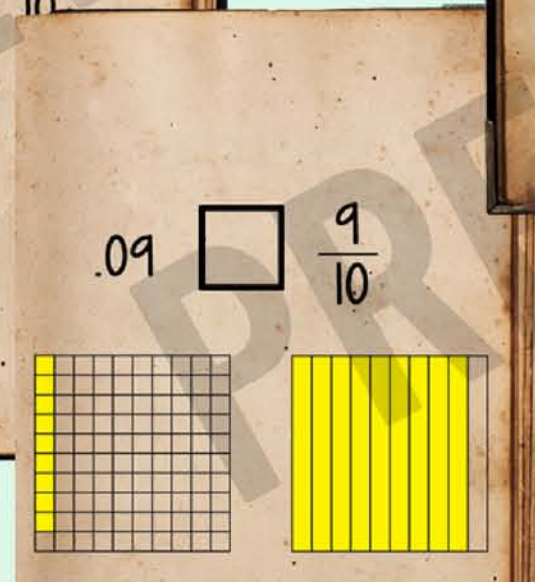
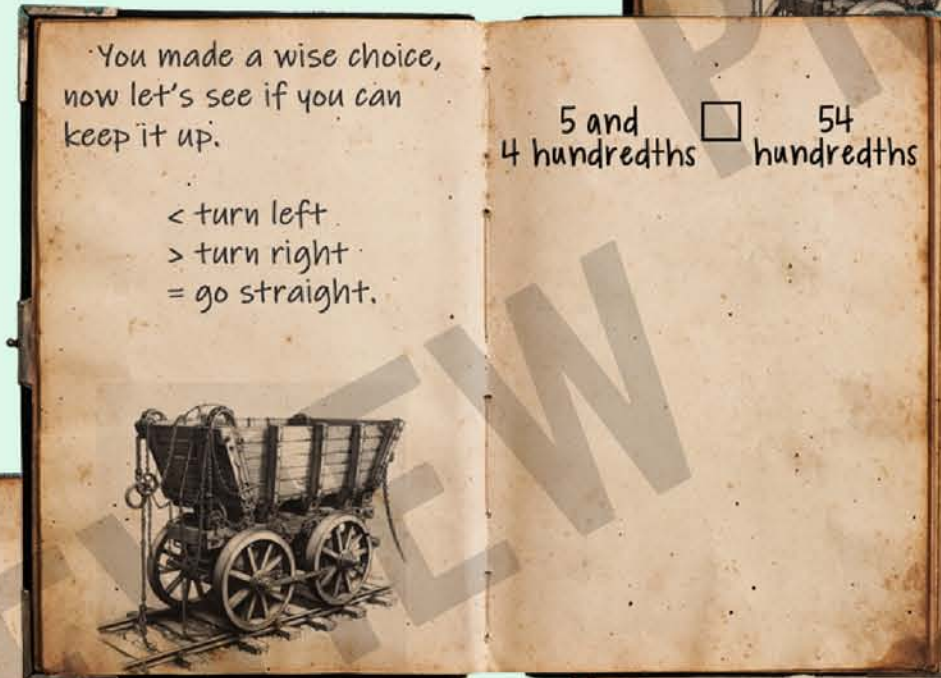
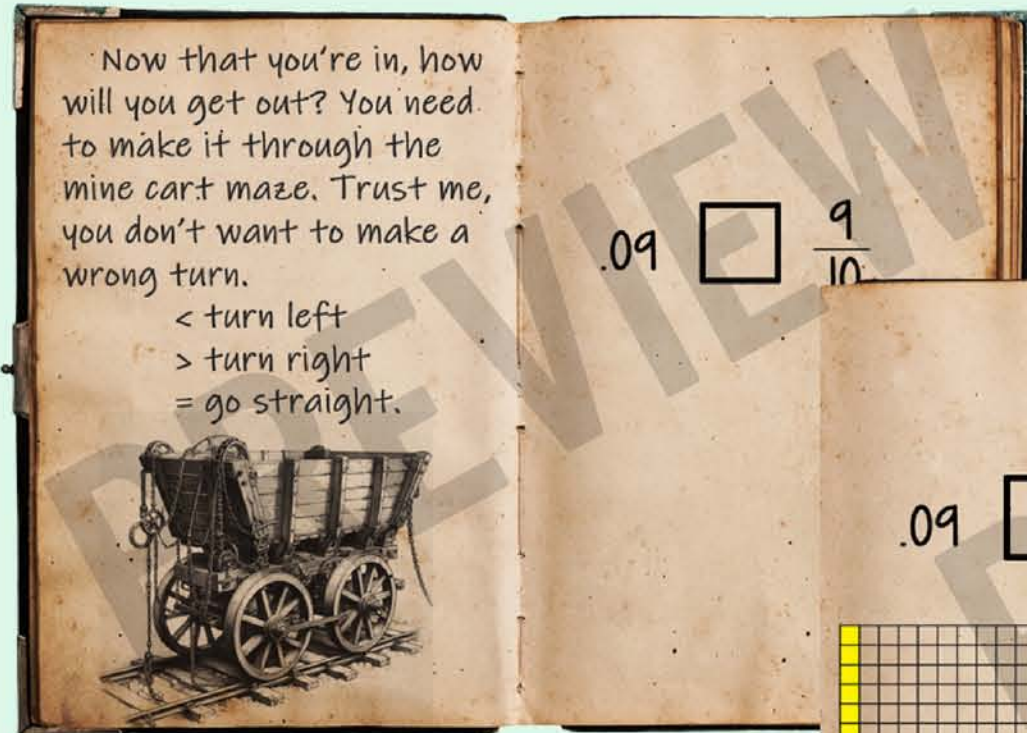
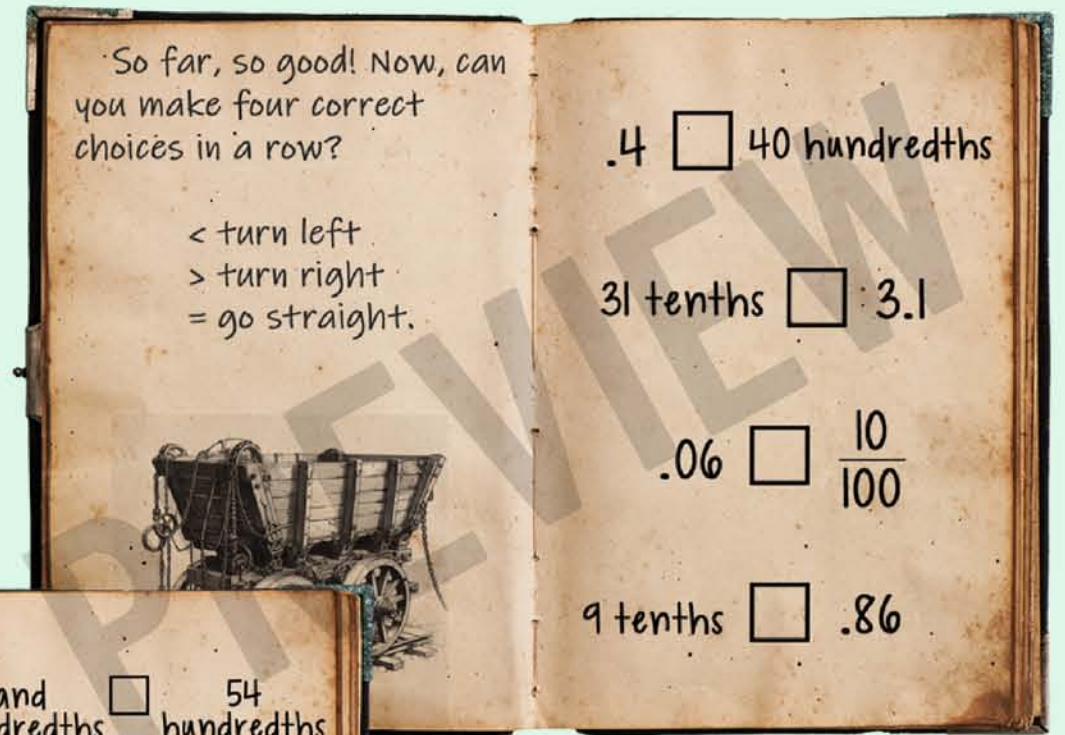
Two problems adding fractions with denominators of 10 & 100 requiring forming equivalent fractions

Decimals on a number line



Puzzle Preview

Comparing decimals to the hundredths in different forms *Extra hints are given for two of these problems if students miss them.

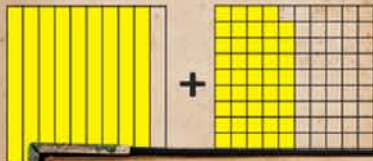


Puzzle Preview

Well done. Now do the same thing for the largest nugget discovered in this mine. The models represent its weight in kilograms.



Measurement 2 Of 3:



The fate of my gold hangs in the balance. Can you figure out three measurements as both a fraction and a decimal?



Measurement 1 Of 3:



The number line shows the weight this nugget in kilograms. Find that weight as a fraction and as a decimal.



Measurement 3 Of 3:

Fifty-seven hundredths of a kilogram.



Balance the scales one last time and the door will be unlocked. Pour the right amount of gold dust into the pans on balance.



Writing a value as a decimal and as a fraction

A magnificent view awaits you. Sort the gold nuggets into three piles.

- Less than 2.14 ounces
- Exactly 2.14 ounces
- More than 2.14 ounces

Unscramble three words in your three piles to discover the exit code. (The nuggets are on the next page).

<2.14 =2.14 >2.14



22 tenths



2.09



21 tenths



$\frac{214}{100}$



2.21



*Weights are in ounces

Comparing the value of decimals and decimal fractions in different forms

Optional supplements

I GOT THE GOLD!

The Great
CLASSROOM
ESCAPE

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Success Signs

Recording Page

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THE LEGEND OF THE LOST MINE

Name: _____

Use the space below to write equations, draw models, and solve problems.

Latitude Coordinate: 38. _____

Longitude Coordinate: 121. _____

Find the password: _____

34	G	R	O	W	N
3	A	G	O	L	D
.04	H	O	R	S	E
.40	S	T	A	Y	S
.03	S	M	A	L	L

Find the Combination _____



Mine Cart Maze < > =



Keeping it in Balance

Decimal

Fraction



Sort the Gold Nuggets

< 2.14

≈ 2.14

> 2.14

The Great
CLASSROOM
ESCAPE

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THE LEGEND OF THE LOST MINE

The tools on this page may help you work out some of the puzzles and reach the gold!

Tens	Ones	Tenths	Hundredths
Tens	Ones	Tenths	Hundredths
Tens	Ones	Tenths	Hundredths
Tens	Ones	Tenths	Hundredths

12

**Place value blocks,
charts, & number lines**

Buy the Bundle & Save!

Fractions

DIGITAL ESCAPE ROOM

BUNDLE!



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