



Escape the Haunted House

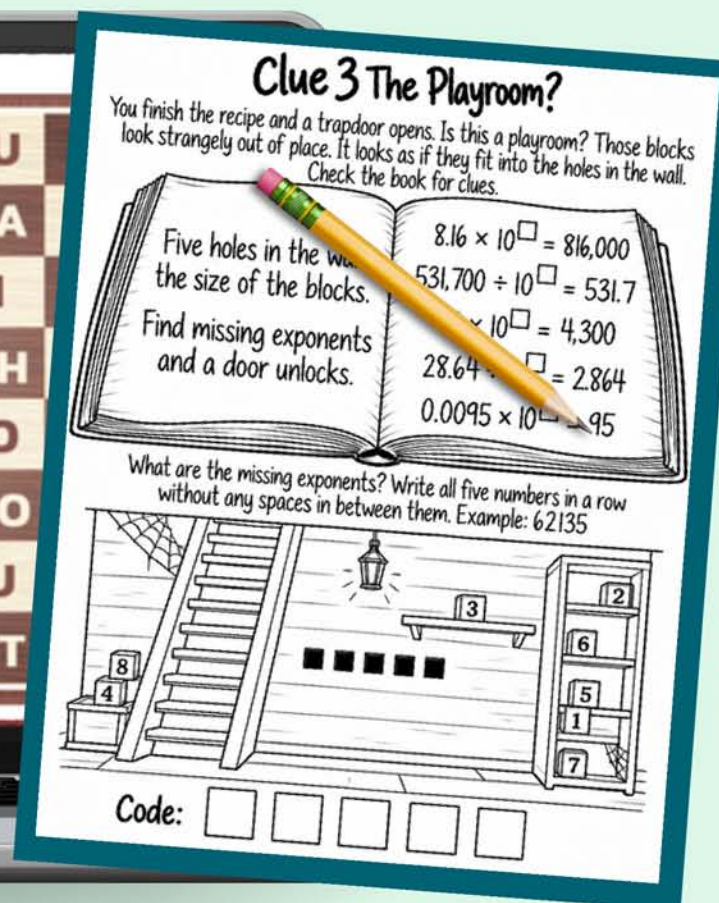
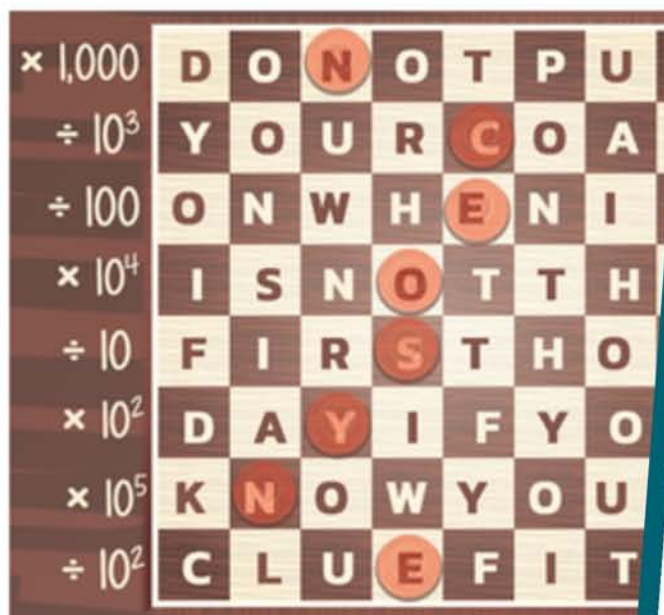
The Great CLASSROOM escape

Grades
5-6

Multiplying & Dividing by Powers of 10

QUICK ESCAPE!

Digital or Print Escape Room



The Great CLASSROOM escape

Standards

5.NBT.A.2

5th Grade Math Skills
Place value (with decimals), rounding,
multiplying & dividing by powers of 10,
comparing numbers & more!

Fast Facts

 Digital: No prep, click & go! Optional printable pages

 Low-prep black-and-white printable version

 Escape Time ~45-60 minutes

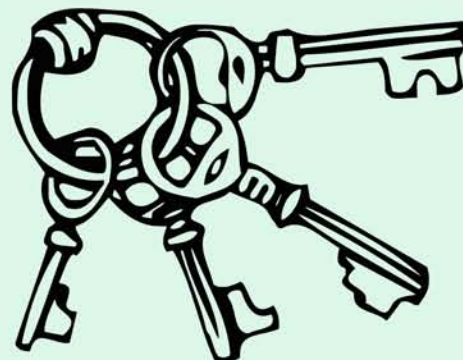
 Complete individually or in small groups

 Digital requires internet-connected device

 Self-Checking digital version

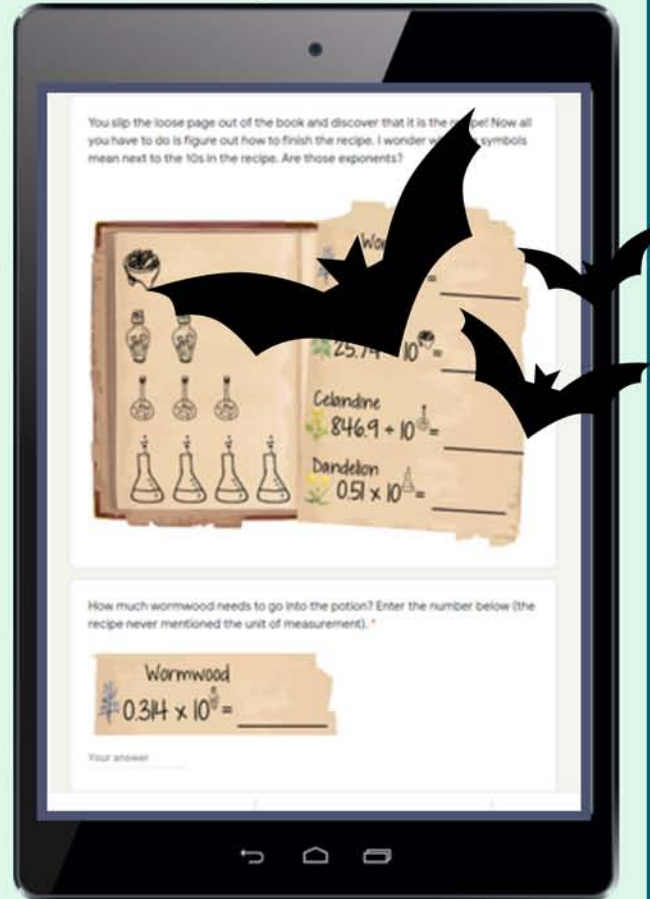
 Virtual or in-person

 Six Engaging Puzzles



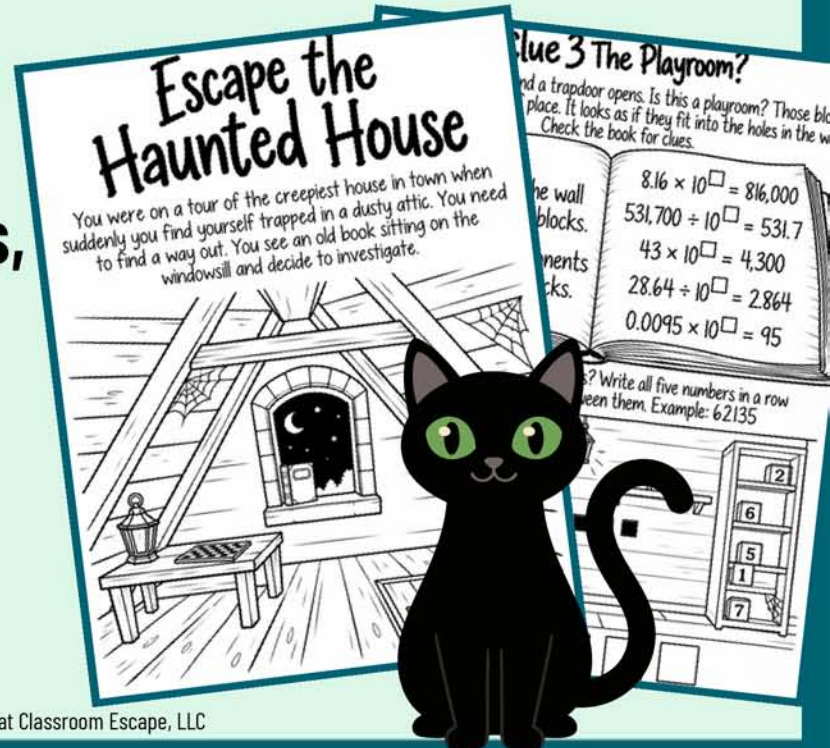
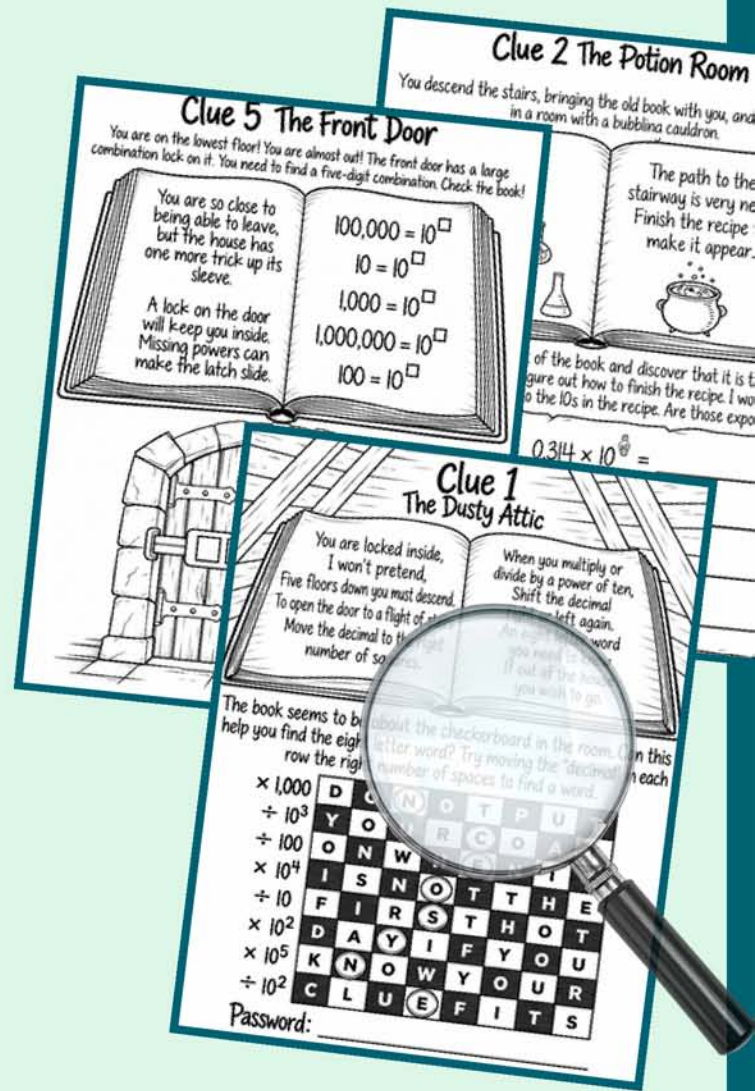
How it Works - Digital:

- 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.



How it Works - Print:

- Low prep!
- Print the six clues, intro, and success page
- Give students the intro and clue 1 to begin
- When students solve a clue, they bring the answer to you.
- If the answer is correct, give the next clue.
- Continue until students solve the final clue.
- Use individually, in pairs, in small groups, or as a whole class.
- Great for centers!



Sample Puzzles

You are so close to being able to leave, but the house has one more trick up its sleeve.

A lock on the door will keep you inside. Missing powers make the last side.

$$100,000 = 10^{\square}$$

$$10 = 10^{\square}$$

$$1,000 = 10^{\square}$$

$$1,000,000 = 10^{\square}$$

$$100 = 10^{\square}$$

51,362 is the number that you had. The digits to be rearranged to form a new number.

The value of the 5 in 51,362 is 50,000. Divide this by 10 to the $>\square\square\square$ power to find the value of the 5 in the new number.

Multiply the value of the $>\surd\square$ in 51,362 by 10^4 .

Divide the value of the $\square\square\square$ in 51,362 by $>\square\square$.

Multiply the value of the $\surd\square>$ in 51,362 by 10^2 .

Divide the value of the $>\square\square\square$ in 51,362 by $>\square\square$ twice to find its value in the combination.

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

	S		W
T		V	X
	U		Y
			Z

Sample Puzzles



Which door do you choose - left, middle or right? Pick correctly to find your last flight.

$$10^3$$

$$10 \times 10 \times 10 \times 10$$

$$100,000$$

$$10^2$$



10

20

10×10



Wormwood

$$14 \times 10^{\text{bottle}} =$$

Nettle

$$25.74 \div 10^{\text{bowl}} =$$

Celandine

$$846.9 \div 10^{\text{flask}} =$$

Dandelion

$$0.51 \times 10^{\text{flask}} =$$

Optional Printable Pages



Escape the Haunted House

Name: _____

Directions: Use these tools to help you solve the puzzles and escape!

Move the Decimal

D	O	N	O	T	P	U	T
Y	O	U	R	C	O	A	T
O	N	W	H	E	N	I	T
I	S	N	O	T	T	H	E
F	I	R	S	T	H	O	T
D	A	Y	I	F	Y	O	U
K	N	O	W	Y	P	U	R
C	L	U	E	F	I	T	S

Follow the recipe

$$0.314 \times 10^3 = \underline{\hspace{2cm}}$$

$$25.74 \div 10^2 = \underline{\hspace{2cm}}$$

$$846.9 \div 10^1 = \underline{\hspace{2cm}}$$

$$0.51 \times 10^0 = \underline{\hspace{2cm}}$$

Choose Five Blocks

Five Digits to Slide the Latch

Pick the Correct Doors

Rearrange the Digits

The Great CLASSROOM ESCAPE

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Student
Recording
Page
(digital
version)

Success
Signs

I'VE GOT
THE POWER!

The Great
CLASSROOM
ESCAPE