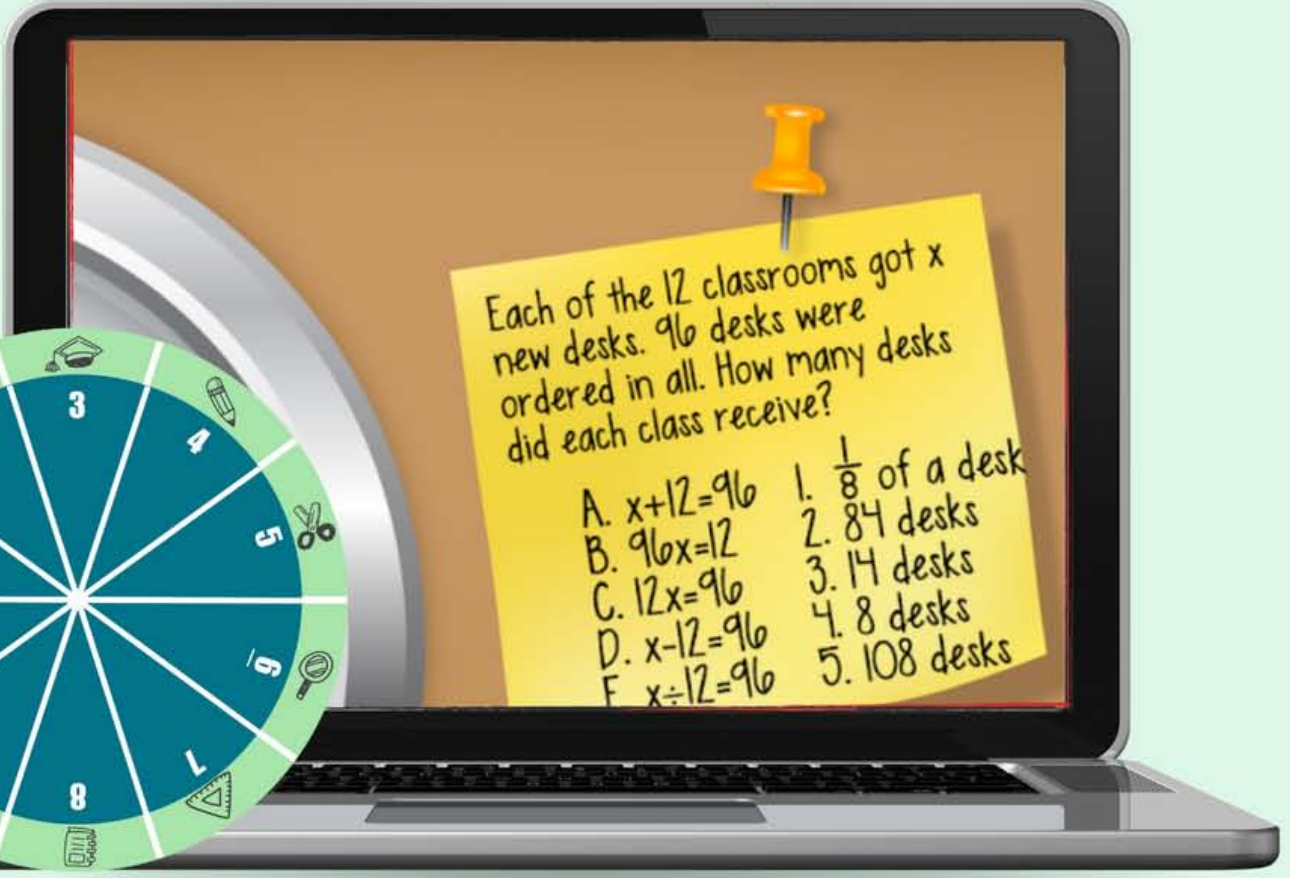




6.EE.B.7

Escape the Principal's Office with One-Step Equations

Digital Escape Room



Each of the 12 classrooms got x new desks. 96 desks were ordered in all. How many desks did each class receive?

A. $x+12=96$ 1. $\frac{1}{8}$ of a desk
B. $96x=12$ 2. 84 desks
C. $12x=96$ 3. 14 desks
D. $x-12=96$ 4. 8 desks
E. $x\div 12=96$ 5. 108 desks

Standards

6.EE.B.7

6th Grade Math Skills
Solve one step equations in the form
of $x + p = q$ and $px = q$, understand
inverse operations & more!

Fast Facts

 No prep, click & go! Optional printable pages

 Escape Time ~30-45 minutes

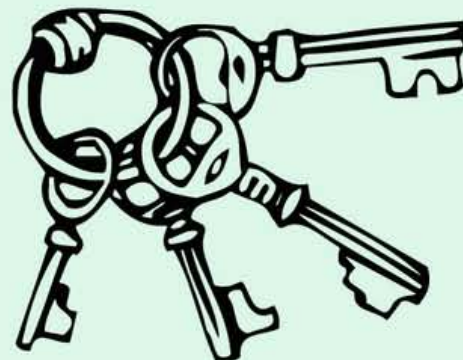
 Complete individually or in small groups

 Requires internet connected device

 Self-Checking

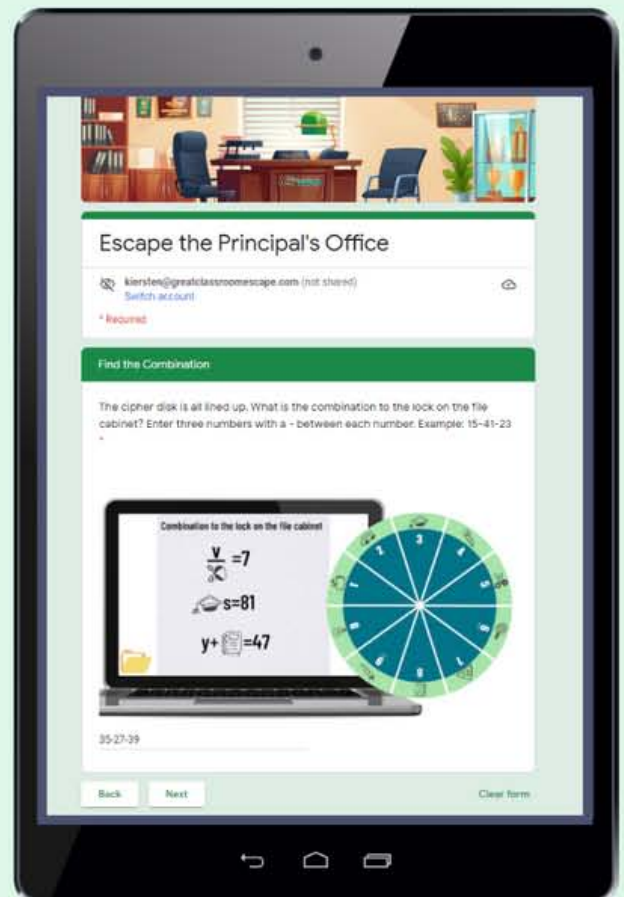
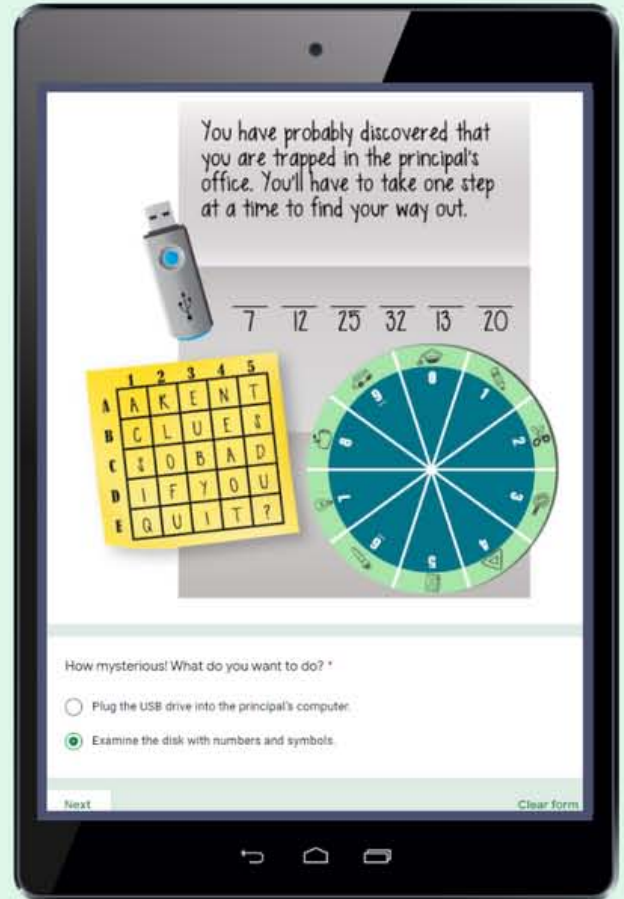
 Virtual or in-person

 Five Engaging Puzzles

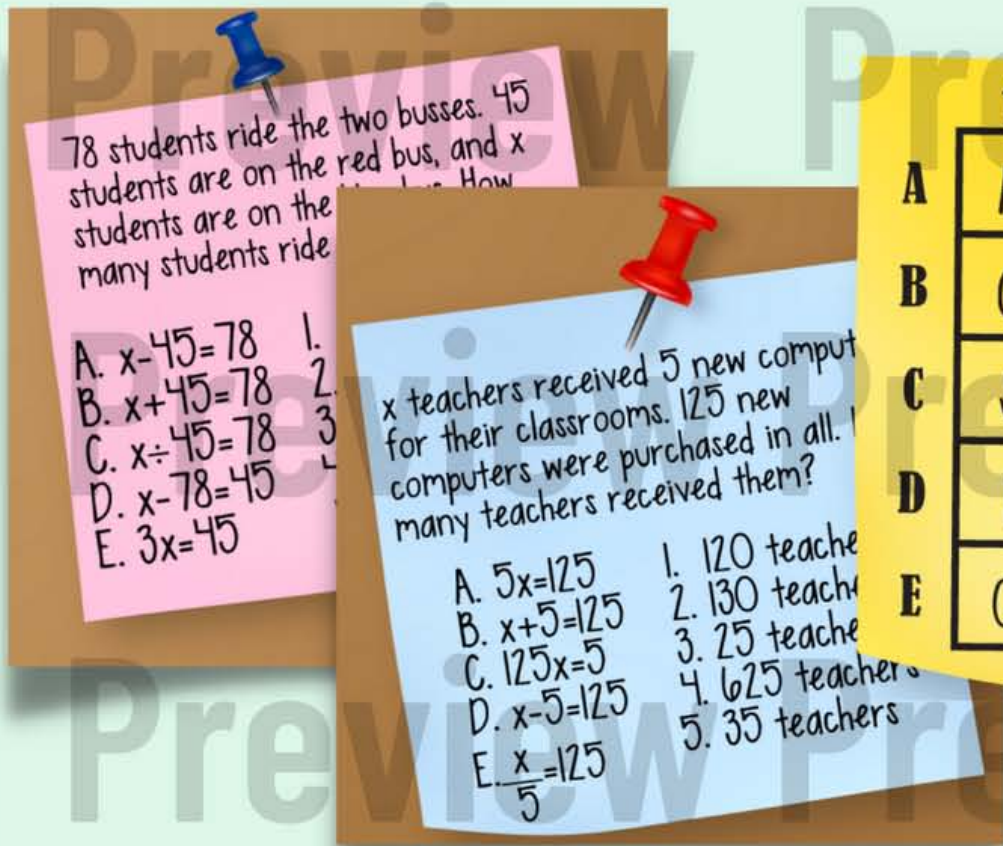


How it Works:

- 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.



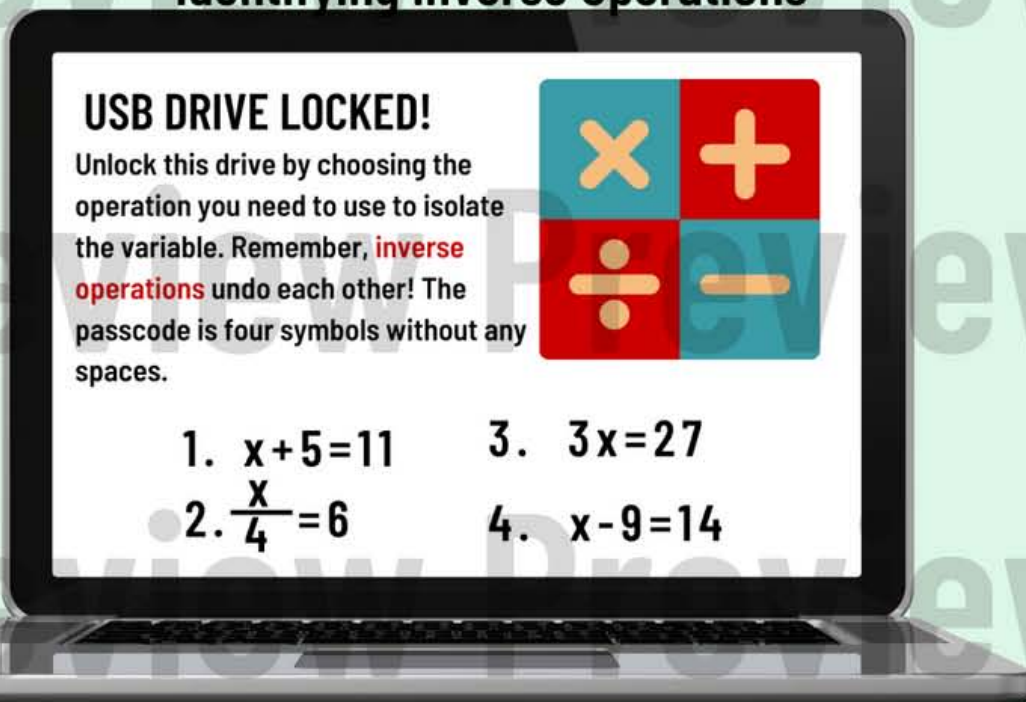
Puzzle Preview



	1	2	3	4	5
A	A	R	E	N	T
B	C	L	U	E	S
C	S	O	B	A	D
D	I	F	Y	O	U
E	Q	U	I	T	?

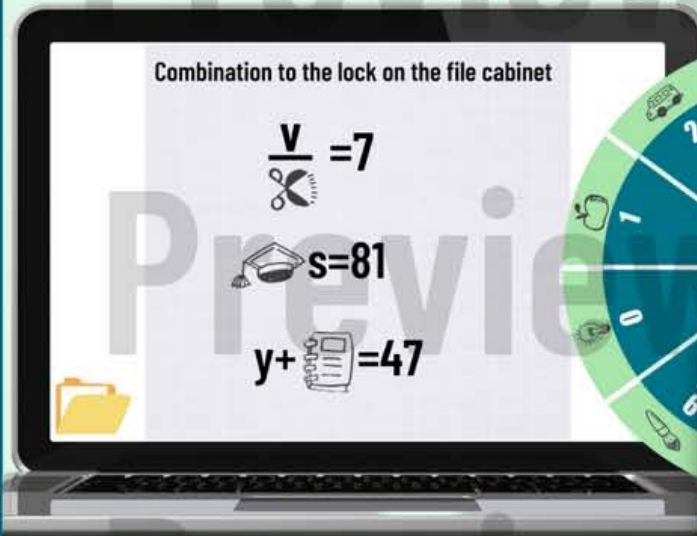
Match a word problem with an equation and solution (5 problems)

Identifying Inverse Operations



Puzzle Preview

Find the combination by solving three equations.



Three Error Analysis Problems

1.
$$\begin{array}{r} 7r = 84 \\ -7 \quad -7 \end{array}$$

$$r = 77$$

What is the error?
ave been added to both sides.

You already know the values of r , p , and h . s should have been divided by 7.
Find the values of some more variables.

o error

$$\frac{a}{6} = 5$$

$$6t = 42$$

$$o - 10 = 15 \text{ (that's)}$$

$$n + 8 = 12$$

You have probably discovered that you are trapped in the principal's office. You'll have to take one step at a time to find your way out.

**Solving one-step equations
and using the solutions to
form a password.**

7 12 25 32 13 20

Optional Printable Pages

Recording Page

Cipher Disk

Name: _____

Escape the Principal's Office

Use the space below to work out the puzzles and escape

Unlock the Computer

	1	2	3	4	5
A	A	K	E	N	T
B	C	L	U	E	S
C	S	O	B	A	D
D	I	F	Y	O	U
E	Q	U	I	T	?

Inverse Operations Code: _____

File Cabinet Combination: _____

Error Analysis Code: _____

Variable Values (use the back of the paper for more space.)

r= _____

p= _____

h= _____

a= _____


t= _____

o= _____

n= _____

y= _____

7 12 25 32 13 20

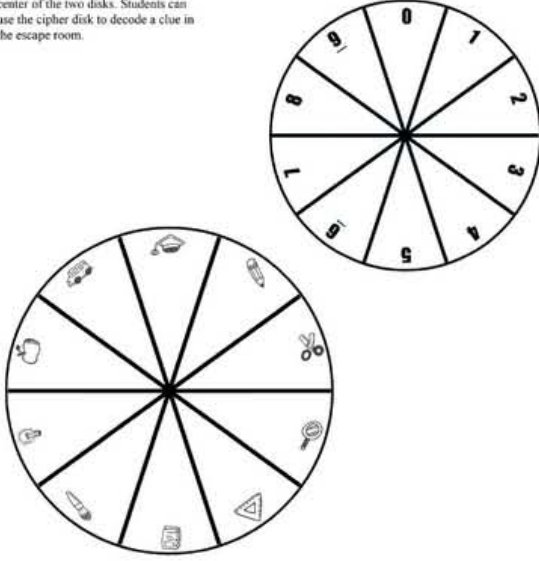


The Great CLASSROOM ESCAPE

Copyright ©2021 Kiersten Yager Williams

Optional printable cipher disk

Directions:
Print one copy of this page on card stock for each group of students completing the escape room. Center the disk with the numbers on top of the disk with the symbols and insert a brass fastener (brad) through the center of the two disks. Students can use the cipher disk to decode a clue in the escape room.



The Great CLASSROOM ESCAPE

Copyright ©2021 Kiersten Yager Williams

Success
Signs

ONE STEP
AT A TIME!

The Great
CLASSROOM
ESCAPE

You May Also Like

The Great CLASSROOM ESCAPE
OPERATION SAVE THE ROCKET LAUNCH
 Evaluating Expressions Word Problems

PIN Digit 4
 How much space is left?

The expression $e^3 - 8d$ gives the number of cubic feet of storage space that remain in a cube-shaped container that the rocket is taking to the space station. How much space is left in the container if $e = 3$ and $d = 24$?

EASY TO IMPLEMENT!

MISSION CONTROL CENTER

Four digit PIN? Where is there a four digit pin?

Click four random numbers and see what happens.

Go back out into the hallway. Maybe the mission control team has been released and

6TH GRADE CONTENT 6.EE.A.2 6.EE.A.2A 6.EE.A.2C
DIGITAL ESCAPE ROOM!

The Great CLASSROOM ESCAPE
SIXTH GRADE MATH
 Digital Escape Room Bundle

EASY TO IMPLEMENT!

6TH GRADE MATH STANDARDS

The Great CLASSROOM ESCAPE
Operation Restore Order

6.EE.A.1

TOP SECRET
 NAME: Ota, Key
 KNOWN ALIAS: Chaos

WANTED FOR:
 You Ota is suspected of causing mass confusion by breaking number line math problems when he arrived from left to right instead of right to left. He is also suspected of causing confusion by breaking order of operations. You have been wanted for causing confusion and disrupting an orderly flight over the ocean.

METHODS OF OPERATION:
 You Ota have wanted capture by accepting messages using a cipher key method that he did on the ship. The messages such as "OPERATION RESTORE ORDER" is a message that he is also suspected of causing confusion by breaking order of operations. You have been wanted for causing confusion and disrupting an orderly flight over the ocean.

CONFIDENTIAL

0 4 9
 8 2 0
 3 9

$3^2 + 9 + 3 + 6 = 10$
 $5^2 - 7 + 3 + 6 = 12$
 $4^2 + \frac{1}{4} + 32 + 2 = 4$

Order of Operations with Exponents
DIGITAL ESCAPE ROOM!

The Great CLASSROOM ESCAPE
NEGATIVE NUMBERS & ABSOLUTE VALUE
6TH GRADE MATH STANDARDS

Easy to implement! Automated with a Google Form™!
Does NOT require Google Classroom™ or e-mail addresses

ESCAPE ANTARCTICA
DIGITAL ESCAPE ROOM!

Dr. Pike's Emergency Instructions

Research Notes:

The penguin program has been able to adapt much better than other penguin species to the changing climate in Antarctica.

3 have been tracking for nesting sites (A,B,C) on a coordinate plane. The origin represents the research center. The x-axis represents the east-west distance, and the y-axis tracks the distance north or south.

These nesting locations determine the three-digit combination to my desk drawer.

- Nesting site A is located 6 km east and 3 km south of the research facility.
- Nesting site B is located at (0, 3).
- Nesting site C is located 2 km east and 5 km north of the research facility.
- Nesting site D is located at (0, 0).

Digit 1: Distance between nesting sites A and D.
 Digit 2: Distance between nesting sites C and D.
 Digit 3: Distance between nesting sites A and B.

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.

