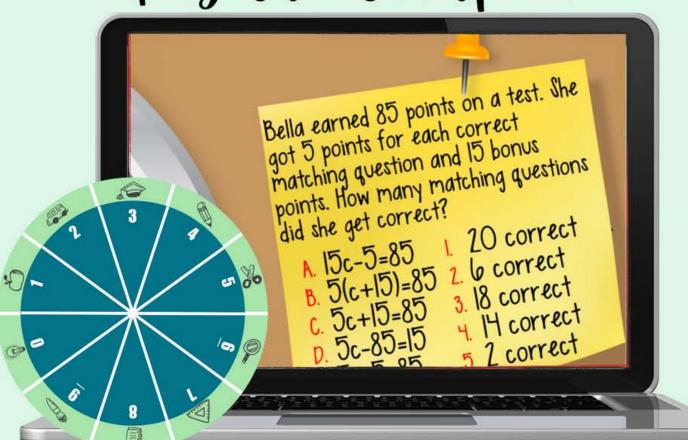


7.EE.B.4a

7.EE.B.4 Escape the Principal's Office with One-Step Equations Digital Escape Room



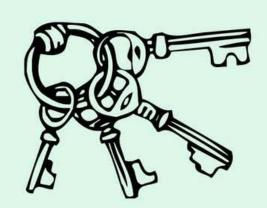


Standards 7.EE.B.4 7.EE.B.4a

7th Grade Math Skills Solve word problems involving twostep equations with variables in the form of px+q=r or p(x+q)=r

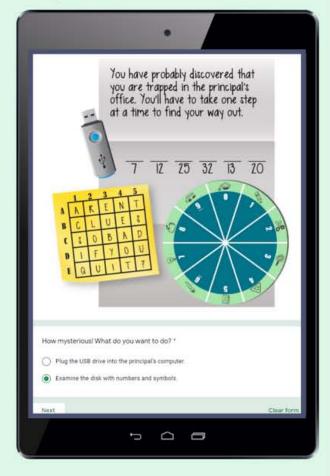
fast facts

- > No prep, click & go! Optional pages to print
- Secape 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

A teacher bought 8 cheese pizzas for a class party. Each p \$2 off its regular spent \$88. What i each pizza?

A 8c-2=88 B. 8(c-2)=88c. 8(c+2)=88

D. 8c+2=88 E. 2c+8=88 5 classes started the year with computers each. Each class rece an equal number of new compi in March. The classes have a t 145 computers now. How many each class receive?

A. 5(x+8)=145 1. 27 compl 2 30 computers

B. 5(x-8)=145 3. 21 computers

c. 5x+8=145 5x-8=140 4.17 computers 8x+5=145 5.37 computers D. 5x-8=140

R U E C B D D E

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

Identifying Inverse Operations

USB DRIVE LOCKED!

Unlock this drive by choosing the operations you need to use to isolate the variable. Remember, inverse operations undo each other! The passcode is four symbols without any spaces. Example: /-x+

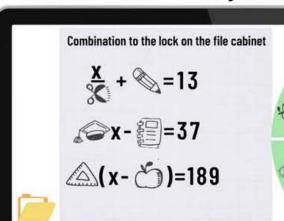


$$1.3x + 5 = 11$$

2.
$$\frac{x}{3}$$
 - 5 = 11

Puzzle Preview

Find the combination by solving three equations.





Pre

Three Error Analysis Problems

$$7r - 6 = 78$$

$$\frac{a}{6}$$
 -2 = 3

$$6(t-5)=12$$

is the error? ve been subtracted from

should have been divided by 7.

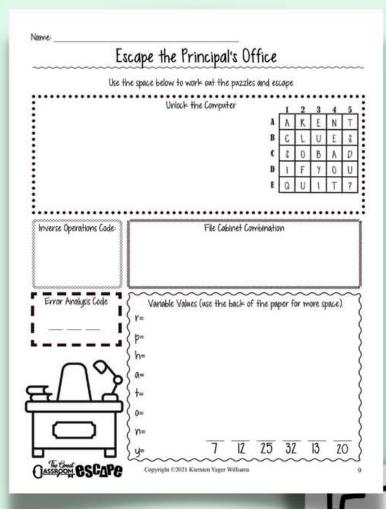
Solving two-step equations and using the solutions to form a password.

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.

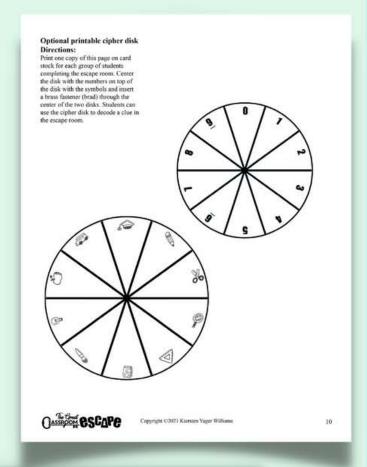
7 12 25 32 13 20

Optional Printable Pages

Recording Page



Cipher Disk

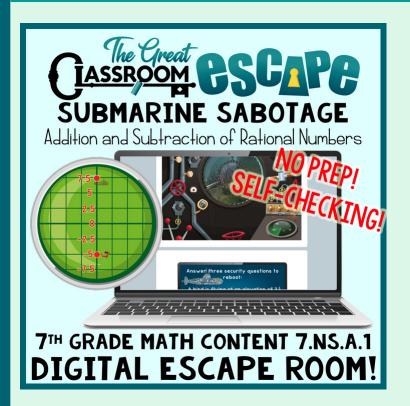


Syccess Signs ONE STEP AT A TIME!

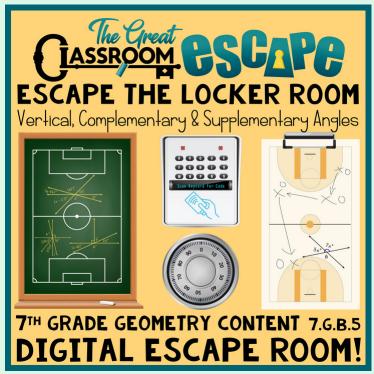


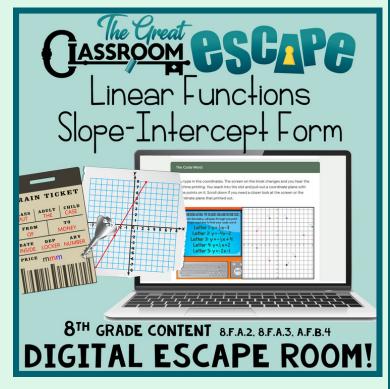
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