

Capture the Candy Corn Man

The Great CLASSROOM escape

4th
Grade
Math

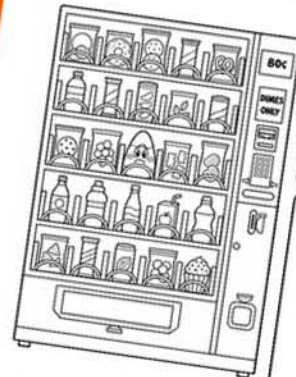
Multiplicative Comparison

Digital or Print Escape Room

Multiply, divide
as fast as you can.
You can't catch me.
I'm the Candy Corn Man!

Clue 5: The Breakroom

Oh no! The Candy Corn Man is trapped in the vending machine!
You need money and the item code to get him out of there.



First, Find the Money!

Each item costs 80¢.
The machine only takes dimes.
A dime is worth 10¢.
80¢ is how many times as much as 10¢?
Use the comparison to find
how many dimes you need.
_____ dimes

You find exactly the dimes you need!
You buy a snack, but a note comes out.
Think, think as fast as
you can to save the
Candy Corn Man!
The code to get
Candy Corn
Man out is
I had 1 time

Find the Vending Machine Code

Candy Corn Man ate 3 snacks.
Clipboard Man ate 4 times as many snacks.
Draw a model or explain your thinking:

Write and solve a multiplication equation.

The Great CLASSROOM escape

4.0A.A.1
4.0A.A.2

4th Grade Math Skills
Represent multiplicative comparisons as multiplication equations and solve them by dividing or multiplying. Distinguish between additive and multiplicative comparisons.

Fast Facts



No prep, click & go digital version



Low-prep black-and-white printable version



Escape Time ~30-50 minutes



Complete individually or in small groups



Digital requires internet connected device



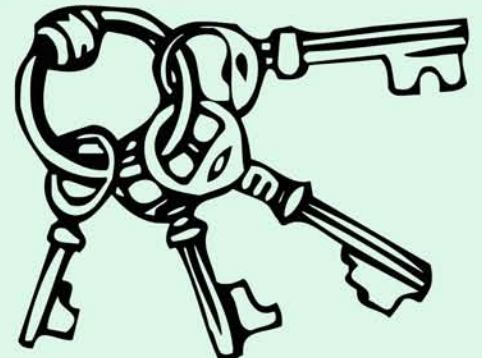
Self-Checking Digital Version



Virtual or in-person

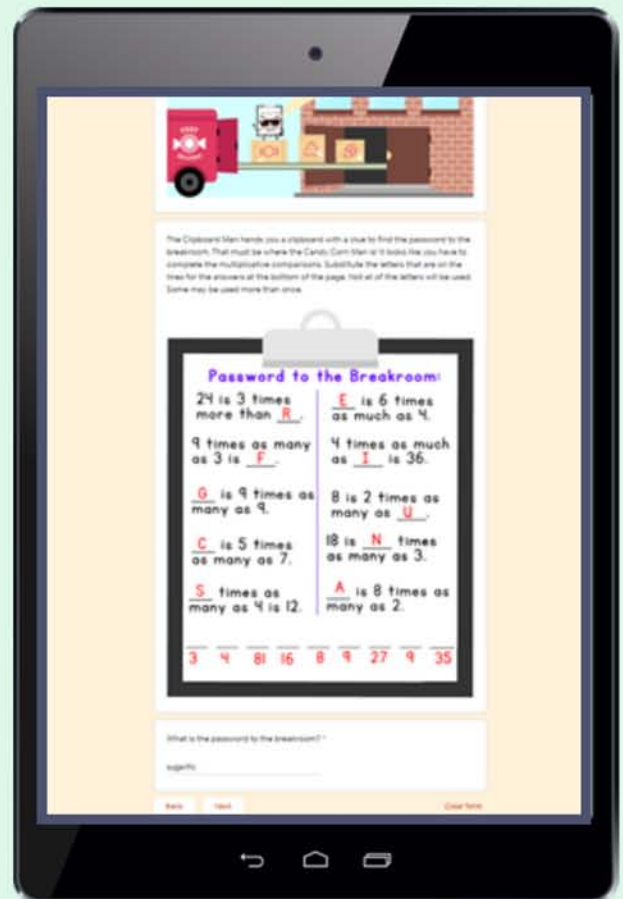
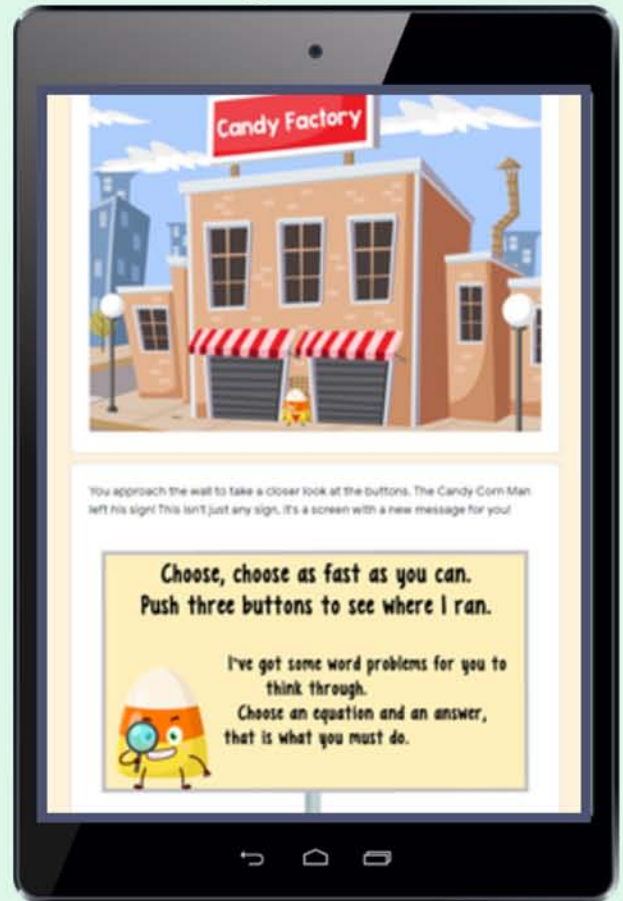


Five Engaging Puzzles



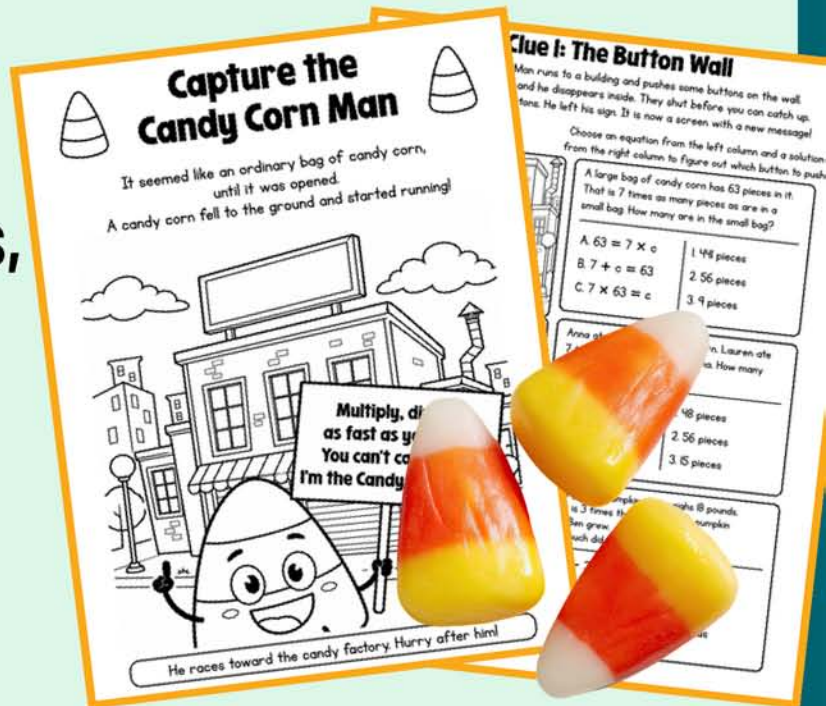
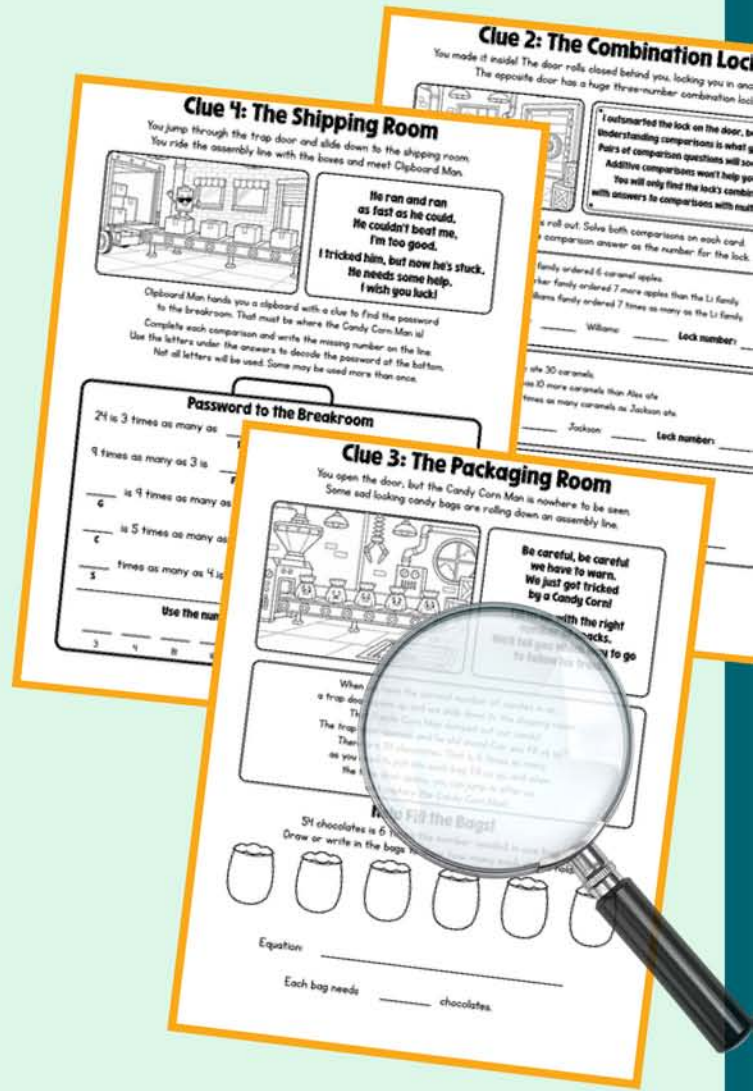
How it Works - Digital:

- 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 five 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!**



Puzzle Preview

Luke grew a pumpkin that weighs 18 pounds. That's 3 times as much as the weight of the pumpkin that Ben grew.

Choose an equation from the left column that could be used to figure out how heavy Ben's pumpkin is, then choose the answer from the right column.

?

A. $18 - 3 = w$

B. $3 \times w = 18$

C. $3 \times 18 = w$

1. 6 pounds

Anna ate 8 pieces of candy corn. Lauren ate 7 times as many pieces as Anna. How many pieces did Lauren eat?

Choose an equation from the left column that could be used to solve the problem, then choose the answer from the right column.

A. $7 + 8 = p$

1. 48 pieces

2. 56 pieces

3. 15 pieces

A large bag of candy corn has 63 pieces of candy corn in it. That's 7 times as many pieces as are in a small bag.

Choose an equation from the left column that could be used to figure out how many pieces of candy are in a small bag, then choose the answer from the right column.

A. $63 = 7 \times s$

B. $s = 63 \div 7$

C. $63 \div 7 = s$

D. $63 \times 7 = s$

E. $63 - 7 = s$

F. $63 + 7 = s$

G. $63 \div 7 = s$

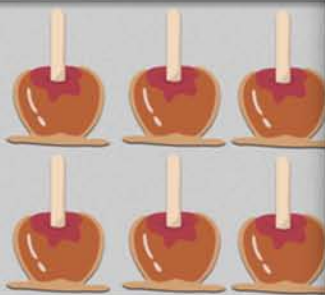
H. $63 \times 7 = s$

I. $63 - 7 = s$

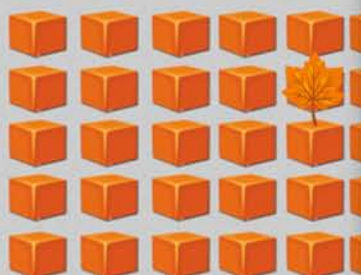
J. $63 + 7 = s$

I outsmarted the lock on the door, but I couldn't find the combination.
Understanding comparisons is what you need to solve this problem.
Pairs of comparison questions will soon be your best friend.
Additive comparisons won't help you solve this problem.
You will only find the lock's combination with multiplicative comparisons.
With answers to comparisons with multiplicative comparisons.

The Li family ordered 6 caramel apples.
The Parker family ordered 7 more apples than the Li family.
The Williams family ordered 7 times as many apples as the Li family.



Audrey ate 30 caramels.
That was 10 more caramels than Alex ate and 10 times as many caramels as Jackson ate.



Ben likes 11 grains of sea salt. The perfect number for a caramel is 5 times as many grains of salt as Ben likes. Aliyah thinks 5 times this amount is perfect. Lila prefers 5 more grains of salt than Rohan does.



Puzzle Preview



When we have the correct number of candies in us,
a trap door opens up and we slide down to the
shipping room. That Candy Corn Man dumped out
our candy! The trap door opened, and he slid away!
Candy Corn Man is up? There are 54 chocolates. That is
as you need to put into each bag.
When the trap door opens, you can
capture the Candy Corn Man!



Password to the Breakroom:

24 is 3 times
more than R.

9 times as many
as 3 is F.

G is 9 times as
many as 9.

C is 5 times
as many as 7.

S times as
many as 4 is 12.

E is 6 times
as much as 4.

4 times
as

8 is 2 times
many

18 is
as many

A is 8 times as
many as 2.

3 4 81 16 8 9 27 9 35

Think as fast as you can.
Buy a snack to save the Candy Corn Man!
He's stuck in the middle of a snack array.
The code to get him is found this way:

Candy Corn Man ate 3 snacks today,
I had 4 times that many, I'm glad to say.
Write an equation to tell how many snacks I had.
Type it in and make the Candy Corn Man glad.



Optional Pages

Capture the Corn Candy Man

Name: _____

Use the space below to write equations, draw models, and solve problems.
Puzzle 1: Which three buttons do you push?

Letter: Number:	Letter: Number:	Letter: Number:
Caramel Comparison 1	Caramel Comparison 2	Caramel Comparison 3
  _ _ _		

 Fill the Candy Bags	Breakroom Code  3 4 81 16 8 9 27 9 35
---	---



Equation: _____

The



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Student
Recording
Page
(digital
version)

Success
Signs



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