

2nd Grade

# FRACTIONS

## CANDY FACTORY ESCAPE ROOM



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# Escape the Candy Factory!

Students won't realize they are practicing Fractions skills! They will be immersed in the storytelling and our original videos as they complete math challenges.



Dear ,

You've earned your way into my candy factory. I'm looking for the best of the best to take over my operation. Prove you can make candy better than the rest and I'll give you the keys to my factory.

You must make these 4 items to earn the keys:

- Marshmallows
- Cotton candy
- Fun-size chocolate
- Sprinkles

After each challenge, add the item to your candy shop to earn the keys to my factory.

Sincerely,  
The Candy Man



©Julie Boehse

Learn more!





# 4 Mathematics Challenges

## Challenge #3

1. Solve each fractions problem.
2. Record answers on your brochure.
3. Check your answers in the Candy Factory Decoder.
4. Add the fun-size chocolate to the candy shop.
5. Scan the QR code in the corner of this page.
6. Move on to the challenge #4.

1. What fraction of the shape is shaded?



- a.  $\frac{1}{2}$   
b.  $\frac{2}{3}$   
c.  $\frac{2}{4}$   
d.  $\frac{1}{4}$

2. What fraction of the shape is shaded?



- a.  $\frac{1}{2}$   
b.  $\frac{2}{3}$   
c.  $\frac{2}{5}$   
d.  $\frac{1}{3}$

3. What fraction of the shape is shaded?



- a.  $\frac{3}{4}$   
b.  $\frac{2}{3}$   
c.  $\frac{1}{2}$   
d.  $\frac{1}{4}$

4. Which shape shows the fraction  $\frac{1}{3}$ ?



- a. Shape 1  
b. Shape 2  
c. Shape 3  
d. Shape 4

5. Which shape shows the fraction  $\frac{1}{4}$ ?



- a. Shape 1  
b. Shape 2  
c. Shape 3  
d. Shape 4

6. Which shape shows the fraction  $\frac{2}{3}$ ?



- a. Shape 1  
b. Shape 2  
c. Shape 3  
d. Shape 4

Scan the QR code or click [here](#) to view the video.



## Challenge #4

1. Solve each fractions problem.
2. Record answers on your brochure.
3. Check your answers in the Candy Factory Decoder.
4. Add the sprinkles to the candy shop.
5. Scan the QR code in the corner of this page.
6. Earn the keys to the factory!

1. Which shape shows the fraction  $\frac{1}{2}$ ?



- a. Shape 1  
b. Shape 2  
c. Shape 3  
d. Shape 4

3. Which shape below shows the fraction  $\frac{1}{4}$ ?



- a. Shape 1  
b. Shape 2  
c. Shape 3  
d. Shape 4

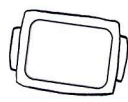
2. Which statement describes the shapes below?



- a. The shaded pieces are all different sizes.  
b. The shaded pieces in shape 1 are bigger than the pieces in shape 2.  
c. The shaded pieces in shape 1 are equal in size to the pieces in shape 2.  
d. The shaded pieces in shape 1 are smaller than the pieces in shape 2.

4. Lucas is bringing brownies to class to share with 3 friends. If he wants everyone to get an equal amount of the brownies, what size piece should he and his friends get?

- a.  $\frac{1}{2}$   
b.  $\frac{1}{3}$   
c.  $\frac{1}{4}$   
d.  $\frac{1}{5}$



Scan the QR code or click [here](#) to view the video.



- Challenges focused on Fractions
- Each challenge takes about 20-30 minutes

Learn more!



# 4 Mathematics Challenges

- Themed videos integrated throughout the Escape Room to keep kids engaged.
- Students work in groups, partners, or independently.

Learn more!



## Challenge #1

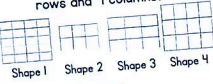
1. Solve each partitioning rectangles problem.
2. Record answers on your brochure.
3. Check your answers in the Candy Factory Decoder.
4. Add the marshmallow to the candy shop.
5. Scan the QR code in the corner of this page.
6. Move on to the challenge #2.



Scan the QR code or click [here](#) to view the video.



1. Which shape below has 4 rows and 3 columns?
3. Which shape is divided into 4 rows and 4 columns?



- a. Shape 1
- b. Shape 2
- c. Shape 3
- d. Shape 4

2. Which shape was divided into 2 row and 3 columns?



## Challenge #2

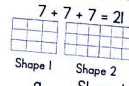
1. Solve each partitioning rectangles problem.
2. Record answers on your brochure.
3. Check your answers in the Candy Factory Decoder.
4. Add the cotton candy to the candy shop.
5. Scan the QR code in the corner of this page.
6. Move on to the challenge #3.



Scan the QR code or click [here](#) to view the video.



1. Which repeated addition number sentence goes with the shape below?

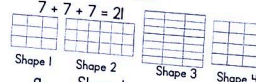


- a.  $2 + 2 + 2 + 2 + 2 = 12$
- b.  $7 = 14$
- c.  $6 = 12$
- d.  $3 + 4 = 12$

2. Which shape matches the number 20?



3. Which shape matches the number sentence:  $7 + 7 + 7 = 21$ ?



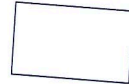
- a. Shape 1
- b. Shape 2
- c. Shape 3
- d. Shape 4

4. If the following rectangle is split into 3 rows and 4 columns, how many same-size squares will it have?



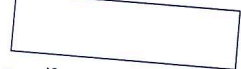
- a. 8
- b. 10
- c. 12
- d. 14

5. If the following rectangle is split into 6 rows and 3 columns, how many same-size squares will it have?



- a. 18
- b. 15
- c. 21
- d. 20

6. If the following rectangle is split into 3 rows and 8 columns, how many same-size squares will it have?



- a. 16
- b. 22
- c. 24
- d. 26

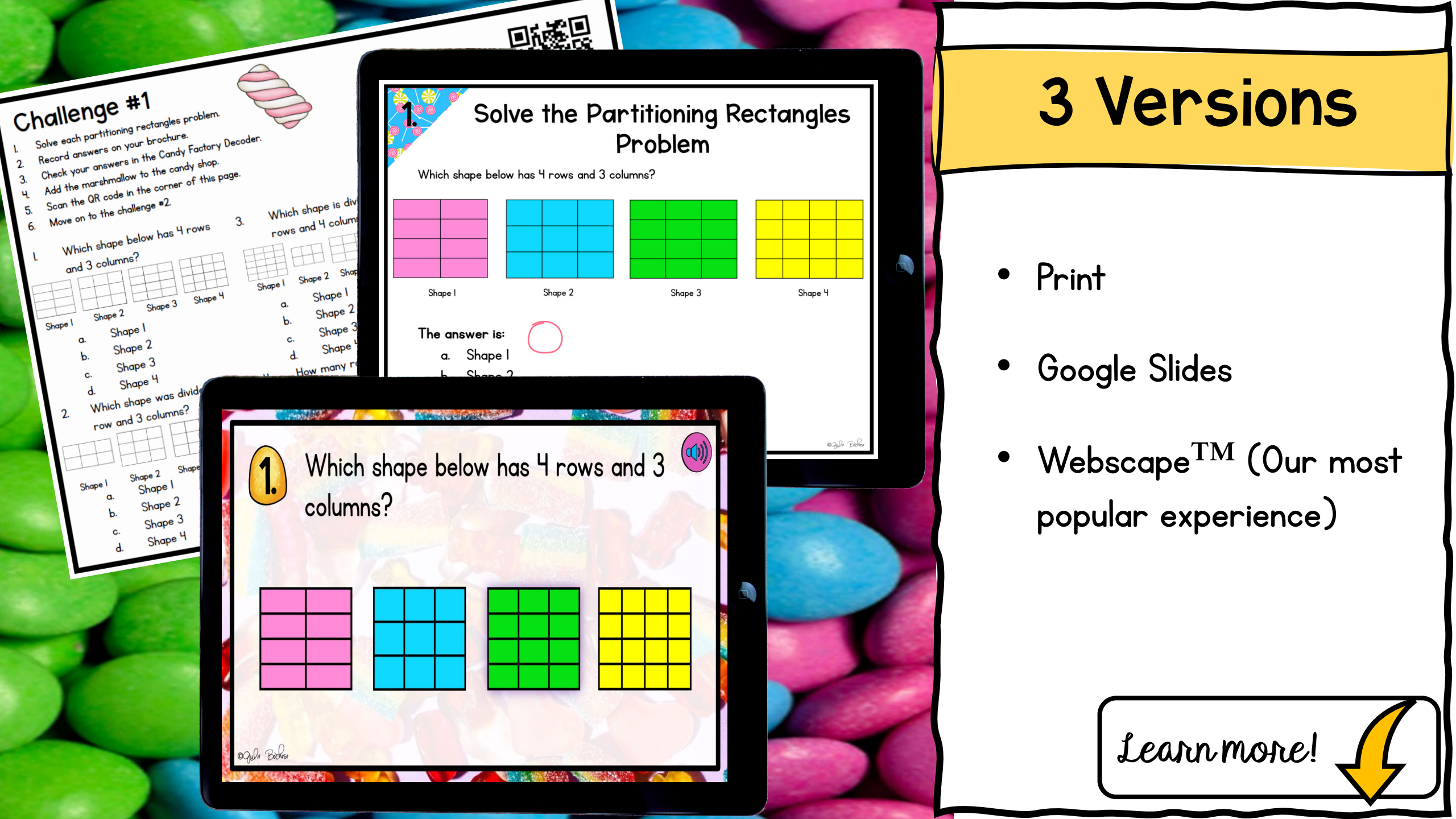




# 3 Versions

- Print
- Google Slides
- Webscape™ (Our most popular experience)

Learn more!



### Challenge #1

- Solve each partitioning rectangles problem.
- Record answers in your brochure.
- Check your answers in the Candy Factory Decoder.
- Add the marshmallow to the candy shop.
- Scan the QR code in the corner of this page.
- Move on to the challenge #2.

1. Which shape below has 4 rows and 3 columns?

Shape 1

Shape 2

Shape 3

Shape 4

a. Shape 1  
b. Shape 2  
c. Shape 3  
d. Shape 4

2. Which shape was divided into 4 rows and 3 columns?

Shape 1

Shape 2

Shape 3

Shape 4

a. Shape 1  
b. Shape 2  
c. Shape 3  
d. Shape 4

3. Which shape is divided into 4 rows and 4 columns?

Shape 1

Shape 2

Shape 3

Shape 4

a. Shape 1  
b. Shape 2  
c. Shape 3  
d. Shape 4

How many rows and columns does Shape 1 have?

How many rows and columns does Shape 2 have?

How many rows and columns does Shape 3 have?

How many rows and columns does Shape 4 have?

### 1. Solve the Partitioning Rectangles Problem

Which shape below has 4 rows and 3 columns?

Shape 1

Shape 2

Shape 3

Shape 4

The answer is: ☐ a. Shape 1

☐ b. Shape 2




### 1. Which shape below has 4 rows and 3 columns?

Shape 1

Shape 2

Shape 3

Shape 4

	<b>PDF</b> 	<b>Google Slides</b> 	<b>Webscape™</b> 
<b>Format Type</b>	Printable	Digital	Digital
<b>Device</b>	N/A	Any Device	Any Device
<b>Required Prep</b>	Print & Go	Copy & Share	Zero Prep
<b>Student Answers</b>	Printable Answer Pamphlet	Google Sheets Decoder Tool	Integrated Challenge Hub
<b>Self Correcting</b>	Includes Answer Key	Self Correcting	Self Correcting
<b>Custom Videos</b>	QR Codes	Embedded You Tube	Embedded
<b>Audio Readings</b>	N/A	No Audio Readings	Contains Audio Readings
<b>Navigation</b>	N/A	Student Directed	Automatically Advancing
<b>Extras</b>	Early Finish Challenges	Movable Pieces	Interactive Animation

## 3 Versions

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- Webscape™ (Our most popular experience)

*Learn more!*





# Print

- Cut and paste stamps for each challenge
- Easy to follow
- Optimal for group or partner work
- Recording brochure for answers
- Self-checking decoder
- Certificate of completion

Learn more!



At the end of each challenge, cut out each sticker and paste it on the candy factory to earn the keys to the factory.

**Candy Factory Decoder**

Use the following codes for each challenge to solve the clues and move to the next challenge

Challenge 1	question 1	question 2	question 3	question 4	question 5	question 6
	a = First b = Stirring c = By d = Dyeing	a = mixing b = chocolate c = cooking d = them with	a = water b = and c = them d = sugar,	a = and b = vanilla c = in d = gelatin	a = 2 more b = and other c = the d = in many	a = ingredients. b = together. c = oven. d = colors.

Challenge 2	question 1	question 2	question 3	question 4	question 5	question 6
	a = Putting b = By c = Mixing d = Baking					

Challenge 3	question 1
	a = Smashing b = Tiny c = All d = The

Challenge 4	question 1
	a = Piping b = By c = First d = Taking

**CANDY FACTORY RECORDING BROCHURE**

Record your challenge answers along your journey.

**CHALLENGE 3**

	Answer	Code
1.	d	The
2.	c	fun-Size
3.	a	Floor
4.		
5.		
6.		

How did you make the fun sized chocolate?



# Candy Factory Escape Room



Lucy M.  
(Name)

has successfully completed the  
challenges and earned the keys  
to the Candy Factory.

23 / 04

(Date)

The Candy Factory

## Ooops!

You fell in the pot of marshmallows and have to wash  
off all the sticky stuff!



YOU MUST STAY QUIET FOR 5  
MINUTES. NO SPEAKING!

# Print

- OOPS! Cards for differentiation

Learn more!





# Webscape <sup>TM</sup>

- Most interactive experience
- Self correcting
- Embedded videos
- Embedded audio
- Animation
- Simple navigation

Learn more!





# Webscape <sup>TM</sup>

- No log ins or sign ups
- Works with any device that has an internet connection and web browser
- Zero prep! Just share the link with your students.

*Learn more!*

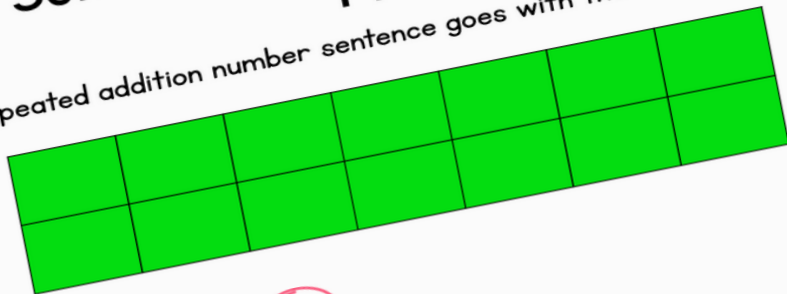




# Google Slides

1. Solve the Partitioning Rectangles Problem

Which repeated addition number sentence goes with the shape below?



The answer is:

- a.  $2 + 2 + 2 + 2 + 2 + 2 = 12$
- b.  $7 + 7 = 14$
- c.  $6 + 6 = 12$
- d.  $3 + 4 + 3 + 4 = 12$

Learn more!

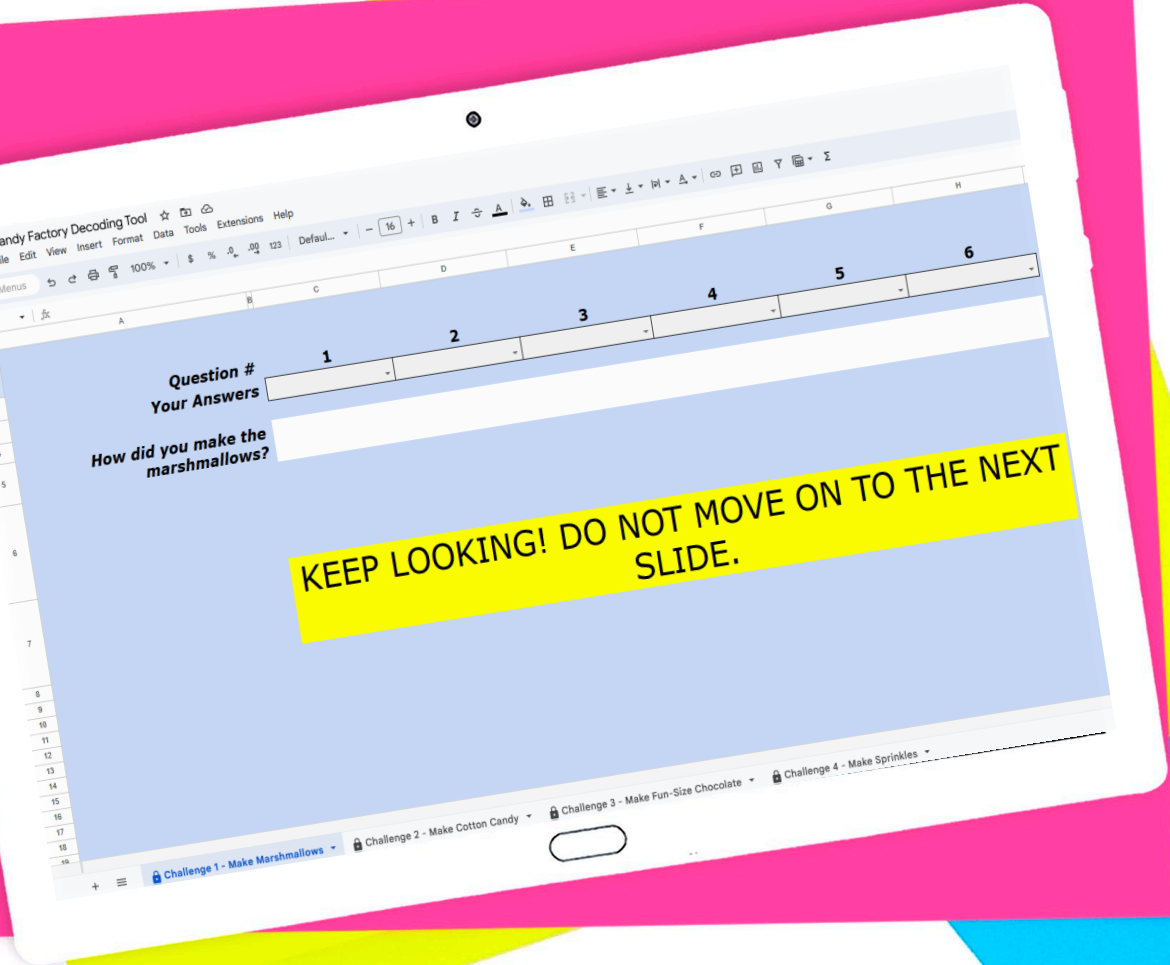




# Google Slides

- Toggle to self-checking decoder
- Decoder will prompt at the end of each challenge whether students are correct or need to check their work.

Learn more!






# Looking for More?

## ESCAPE ROOM BUNDLE Math Skills

2nd Grade



Math Escape Rooms

2nd Grade 3rd Grade 4th Grade 5th Grade

Math Fractions & Mixed Numbers  
Math Fractions & Mixed Numbers  
Math Fractions & Mixed Numbers  
Math Fractions & Mixed Numbers

Telling Time: Time Machine Escape Room

ENGAGE VIDEO: TELL THE STORY

Print and Digital

## 2D & 3D Shapes Catch the Bandit Escape Room

2nd Grade



Dear Student,

You're having a great time visiting the big city! But while you're out seeing the sites, petty crime caught up with you. A bandit took some money out of your backpack.

You must follow the bandit to catch him and get your money back.

1. Go to the waterfront.
2. Go to Chinatown.
3. Go to the park.
4. Go to Downtown.

After each challenge, add the pin to your map to catch the bandit.

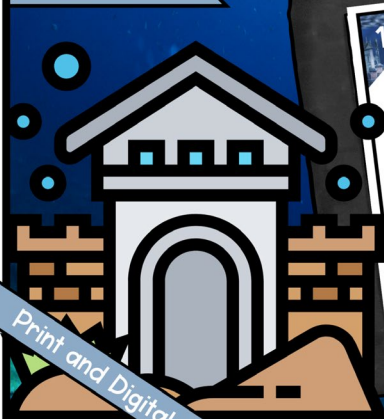
Sincerely,  
Friendly Neighborhood Crime Watchers

Print and Digital

MagiCORE

## Add and Subtract to 100 Atlantis Escape Room

2nd Grade



Find the Mistake

1. What mistake did the student make when adding the numbers?

$58 + 33 = 92$

$$\begin{array}{r} 50 + 8 \\ + 30 + 3 \\ \hline 80 + 12 = 92 \end{array}$$

- a. The student added  $50 + 30$  incorrectly.
- b. The student forgot to add the ten they regrouped after adding  $8 + 3$ .
- c. The student added  $8 + 3$  incorrectly.
- d. The student added  $80 + 12$  incorrectly.

Print and Digital

MagiCORE