

3rd Grade

FRACTIONS & PARTITIONING SHAPES

CANDY FACTORY ESCAPE ROOM



PRINTABLE • GOOGLE • WEBSCAPE™

Escape the Candy Factory!

Students won't realize they are practicing Fractions & Partitioning Shapes 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 Bochner

Learn more!



Challenge #1

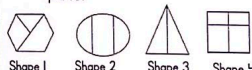


Scan the QR code or click [here](#) to view the video.



1. Solve each partitioning shapes 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.

1. Which shape is divided into equal parts?



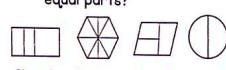
- a. Shape 1
- b. Shape 2
- c. Shape 3
- d. Shape 4

2. Is each piece of the cake equal $\frac{1}{6}$ the area of the pie?



- a. No, because the pieces on the left and right are bigger.
- b. Yes, because there are 6 pieces, and they are all the same size.
- c. No, because there are not 6 pieces.
- d. No, because 2 pieces are small, and 4 pieces are big.

3. Which shape is divided into equal parts?



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

4. Which shape is divided into equal parts?



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

5. Is each piece of the cookie equal to $\frac{1}{4}$ the area of the cookie?



- a. No, because there are not 4 pieces.
- b. Yes, because each piece is the same size and there are 4 pieces.

Challenge #2



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



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.

1. Which shape has $\frac{1}{2}$ of its area shaded?



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

2. The cookie is divided into 3 parts. Is each part equal to $\frac{1}{3}$ the area of the cookie?



- a. Yes, because there are 3 parts, and they are all the same size.
- b. No, because 1 part is much smaller than the other 2 parts.
- c. Yes, because there are 3 parts.
- d. No, because there are not 3 parts.

3. Which rectangle has $\frac{1}{8}$ of its area shaded?



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

4. Which square has $\frac{1}{3}$ of its area shaded?



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

5. Is each piece equal to $\frac{1}{8}$ the area of the pizza?



- a. Yes, there are 8 pieces, and they are all the same size.
- b. No, there are not 8 pieces.
- c. No, there are 2 small pieces and 6 larger pieces.
- d. Yes, there are 8 pieces.

6. Which circle has $\frac{1}{4}$ of its area shaded?



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

4 Mathematics Challenges

- Challenges focused on Fractions & Partitioning Shapes
- 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 #3

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

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

1. You dip the marshmallow in chocolate. When you pull it out you realize that the part with chocolate and the part without chocolate are the same size. The chocolate covers exactly $\frac{1}{2}$ of 2 equal sized sections of the marshmallow. What fraction of the marshmallow is covered in chocolate?

What fraction of the shape is shaded?

a. Two-fifths
b. One-fifth
c. Two-thirds
d. One-third

2. What fraction of the pie is one piece?

a. One
b. One-quarter
c. One-third
d. One-fourth

3. What fraction of the rectangle is shaded?

a. $\frac{2}{3}$
b. $\frac{1}{6}$
c. $\frac{1}{3}$
d. $\frac{1}{2}$

4. What fraction of the rectangle is shaded?

a. $\frac{2}{3}$
b. $\frac{1}{6}$
c. $\frac{1}{3}$
d. $\frac{1}{2}$

5. What fraction of the shape is shaded?

a. Two-thirds
b. One-third
c. One-half
d. Two-fifths

6. Which fraction represents the shaded area?

a. $\frac{2}{3}$
b. $\frac{1}{6}$
c. $\frac{1}{3}$
d. $\frac{1}{2}$

Challenge #4

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

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

1. Each large rectangle represents 3. 1 whole. Which fraction represents the shaded area?

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

2. Each large rectangle represents 1. 1 whole. Which fraction represents the shaded area?

a. Nine-twelfths
b. Nine-thirds
c. Three-sixths
d. Nine-sixths

3. What does the 3 represent in $\frac{2}{3}$?

a. The number of parts in all the wholes.
b. The number of parts we are counting.
c. The number of equal parts in one whole.
d. The number of not counting.

4. What does the numerator of the fraction $\frac{4}{9}$ mean?

a. We are counting 4 parts.
b. There are 4 parts per whole.
c. We are counting 9 parts.
d. There are 9 parts per whole.

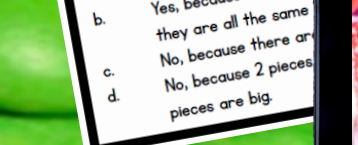
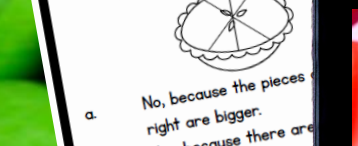
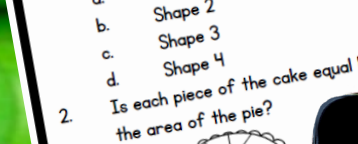
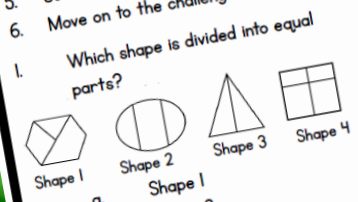
5. What does the denominator of the fraction $\frac{3}{7}$ mean?

a. We are counting 7 parts.
b. There are 7 parts per whole.
c. We are counting 3 parts.
d. There are 3 parts per whole.



Challenge #1

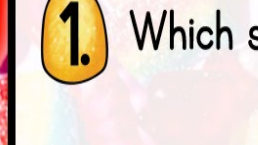
1. Solve each partitioning shapes problem.
2. Record answers on your brochure.
3. Check your answers in the Candy Factory Decoder.
4. Add the marshmallow to the candy shop.
5. Scan the QR code in the corner of this page.
6. Move on to the challenge #2.



Which shape is divided into equal parts?

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

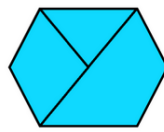
2. Is each piece of the cake equal $\frac{1}{6}$ the area of the pie?



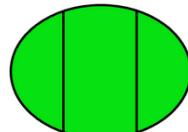
- a. No, because the pieces right are bigger.
b. Yes, because there are they are all the same
c. No, because there are
d. No, because 2 pieces pieces are big.

Solve the Partitioning Shapes Problem

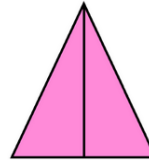
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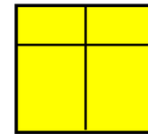
Shape 1



Shape 2



Shape 3



Shape 4

The answer is:

- a. Shape 1
b. Shape 2



1. Which shape is divided into equal parts?



Shape 1



Shape 2



Shape 3






Shape 4

3 Versions

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

Learn more!



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

3 Versions

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

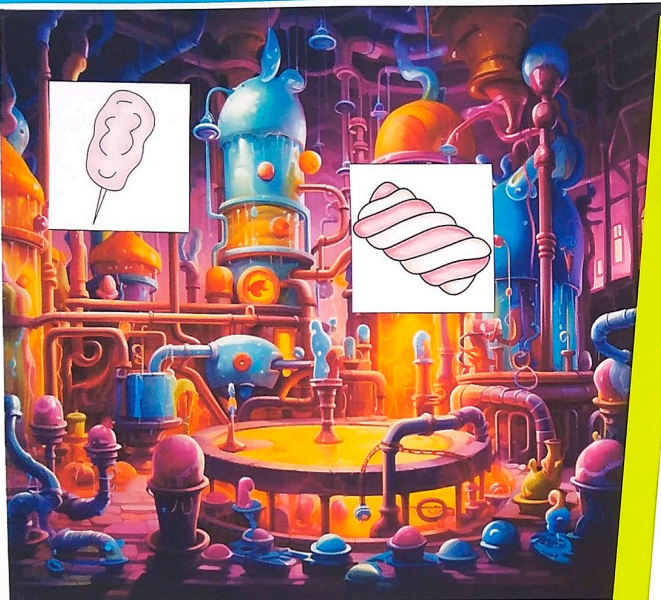
Learn more!



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

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

question 1 a = Smashing b = Tiny c = All d = The	question 2	question 3	question 4	question 5	question 6
--	------------	------------	------------	------------	------------

Challenge 4

question 1 a = Piping b = By c = First d = Taking	question 2	question 3	question 4	question 5	question 6
---	------------	------------	------------	------------	------------

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?

eggs Bobo

Print

- OOPS! Cards for differentiation

Learn more!



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!

©Julie Barber

Webscape TM

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

Learn more!



Webescape TM

- 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

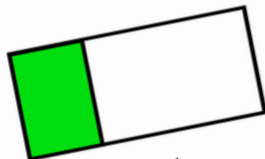
- One problem per slide
- Students drag to circle their answers

Learn more!

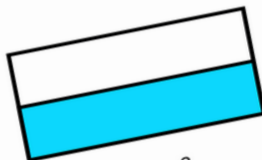


Solve the Partitioning Shapes Problem

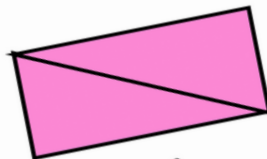
1. Which shape has $\frac{1}{2}$ of its area shaded?



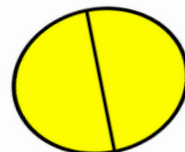
Shape 1



Shape 2



Shape 3



Shape 4

The answer is:

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

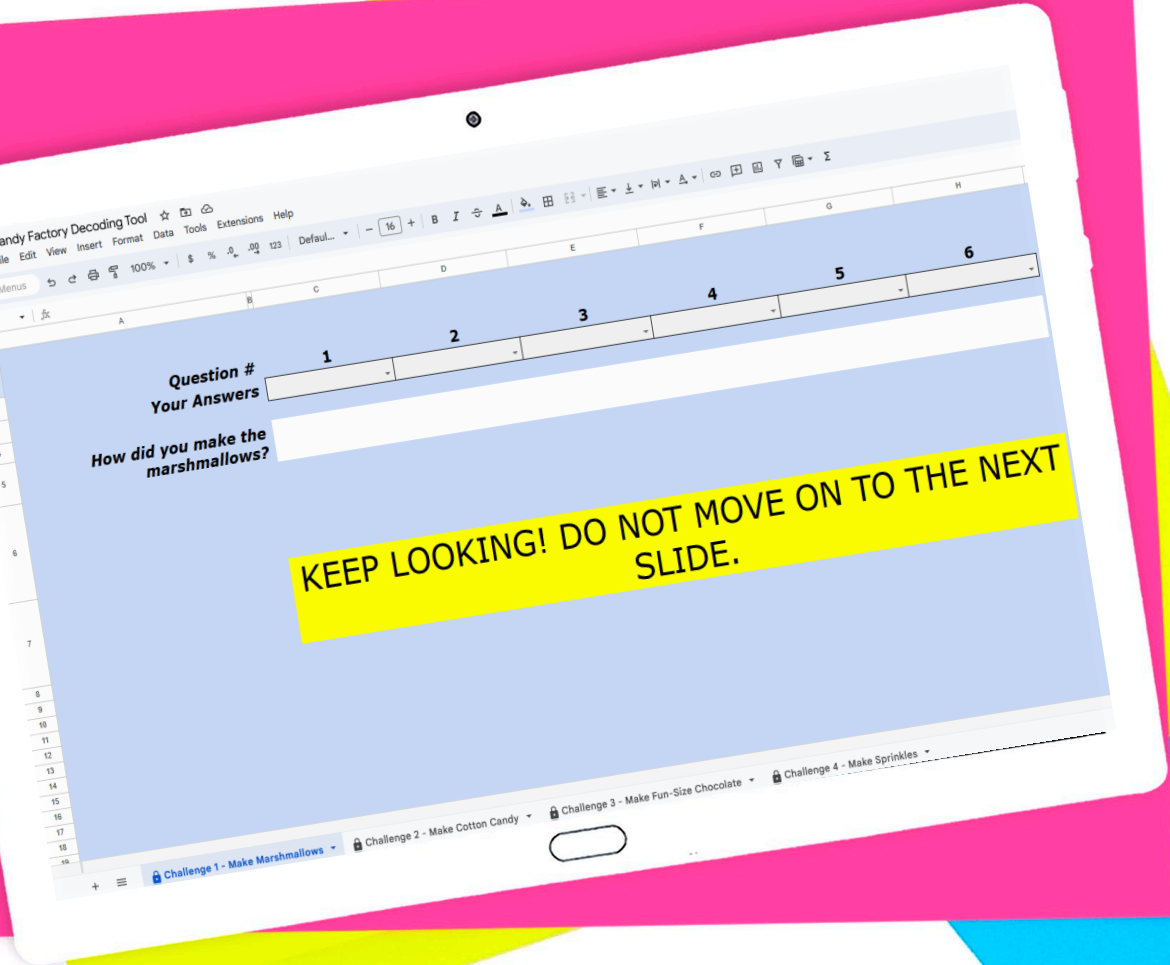


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Google Slides

- 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

3rd Grade



Math Escape Rooms

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

Telling Time: Time Machine Escape Room


ENGAGE VIDEO: TELL THE STORY

Print and Digital

MATH: Categorize Shapes

Catch the Bandit Escape Room

3rd 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

Magi CORE

HALLOWEEN MATH Escape Room

3rd GRADE



Place Value

Mrs. P... gave out different types of candy to the trick-or-treaters. The table shows how many of each type of candy she gave out.

Candy Type	Chocolates	Lollipops	Gummies	Candy Corn
Amount	245	334	286	422

When rounded to the nearest hundred, which two candy types did she give out the same amount of?

- a. Chocolates & gummies
- b. Chocolates & candy corn
- c. Lollipops & gummies
- d. Lollipops & candy corn

Print and Digital

Magi CORE