

5th Grade

# **HALLOWEEN MATH**



# **ESCAPE ROOM**

PRINTABLE • GOOGLE • WEBSCAPE™



# Print & Digital Options

## Printable Directions



### Materials:

- Printed cards for each team
- Computer or Tablet for Videos (optional)

**Duration:** Approximately 90 minutes. You can also split this up into four 20- to 30-minute activities over four days, having students complete one challenge per day.

### Prep

Print challenge cards and recording sheet for each team. Place challenge cards into envelopes.

### Directions

- Split your class into teams of 4-5 students. Ensure teams are multi-level.
- (Optional) Show the introduction video.
- Give each team their envelope for challenge #1.
- Allow time for each team to work through each challenge. Once they solve the challenge, they should turn the code in to the teacher to check before the teacher assigns the consecutive challenge. (Optional) Teacher may show completion videos after each challenge is solved.
- The first team to complete all four challenges solves the case and team members receive the certificates.
- Assign "oops" cards to help create equity. Give an "oops" card to students who are taking the lead, to encourage them to step back and give other students a turn.

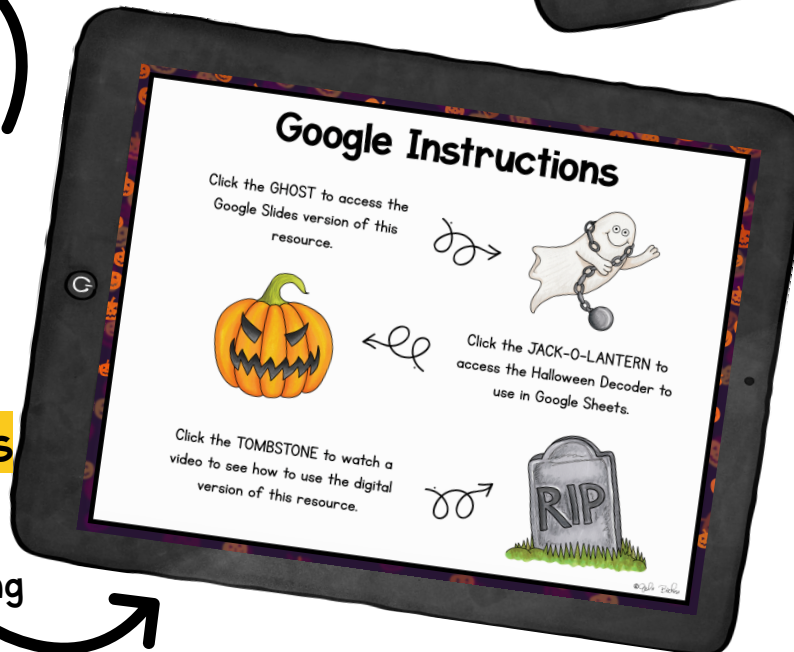


## Print

- Low prep
- Student collaboration
- Can eliminate technology

## Google Slides

- Decoder included for self correcting
- Videos



## Webscape

- Self correcting
- Easy to follow
- Animation
- Videos
- Audio

# Print Friendly Version

## Challenge #1



1. Solve each multiplication or division problem.
2. Record answers on your brochure.
3. Check your answers in the Halloween Decoder.
4. Add the mummy to the photograph.
5. Scan the QR code in the corner of the next page.
6. Move on to challenge #2.

1. There are 4,592 houses in Mapleton that gave out candy to trick-or-treaters on Halloween. If each house gave out 156 pieces of candy, how much candy did all the houses in Mapleton give out to trick-or-treaters total?



2. In total, the houses on Larkspur Lane gave out 5,772 pieces of candy. If each house gave out 78 pieces of candy, how many houses are on Larkspur Lane?
  - a. 76 houses
  - b. 62 houses
  - c. 74 houses
  - d. 58 houses
3. Each piece of Halloween candy costs 24 cents. What was the cost of all the candy given out on Larkspur Lane?
  - a. \$13,852.80
  - b. \$1,385.28
  - c. \$138.53
  - d. \$138,528

# Video Tell the Story





# Four Challenges

## HALLOWEEN ESCAPE ROOM

Challenge #1: Solve the multiplication or division problems to find the mummy.

Challenge #2: Solve the measurement problems to find the vampire.

Challenge #3: Solve the problems with decimals to find the pirate.

Challenge #4: Solve the problems with fractions to find the jack-o-lantern.



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# Challenges Assess Various Skills

## Challenge #2

1. Solve each measurement problem.
2. Check your answers in the Halloween Decoder.
3. Add the vampire to the photograph and move on to challenge #3.



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# Interactive



# Practice Questions



2

## Place Value

Keiko fills in the table below with the weights of some different types of candy.

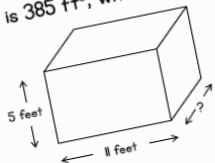
Candy	Bubblegum	Chocolate kiss	Gummy worm	Lollipop
Weight (grams)	28.486	25.077	25.345	34.901

What is the weight of a piece of bubblegum when rounded to the nearest hundredth?

5.

## Measurement

The engine car of the Train of Terror float is shown below. If the volume of the engine car is  $385 \text{ ft}^3$ , what is the missing dimension?



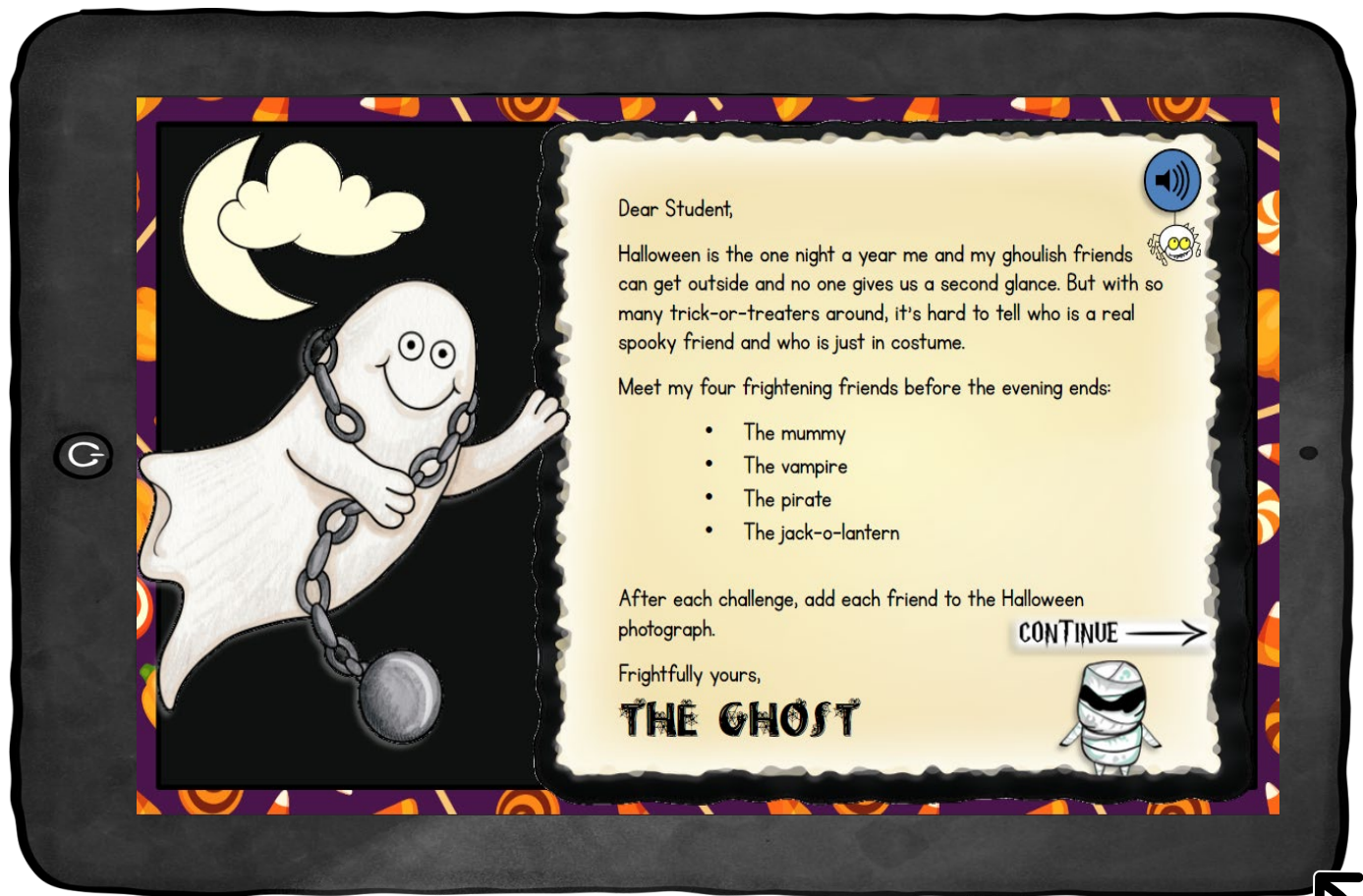
- a. 8 feet
- b. 7 feet
- c. 5 feet
- d. 6 feet

Show your work



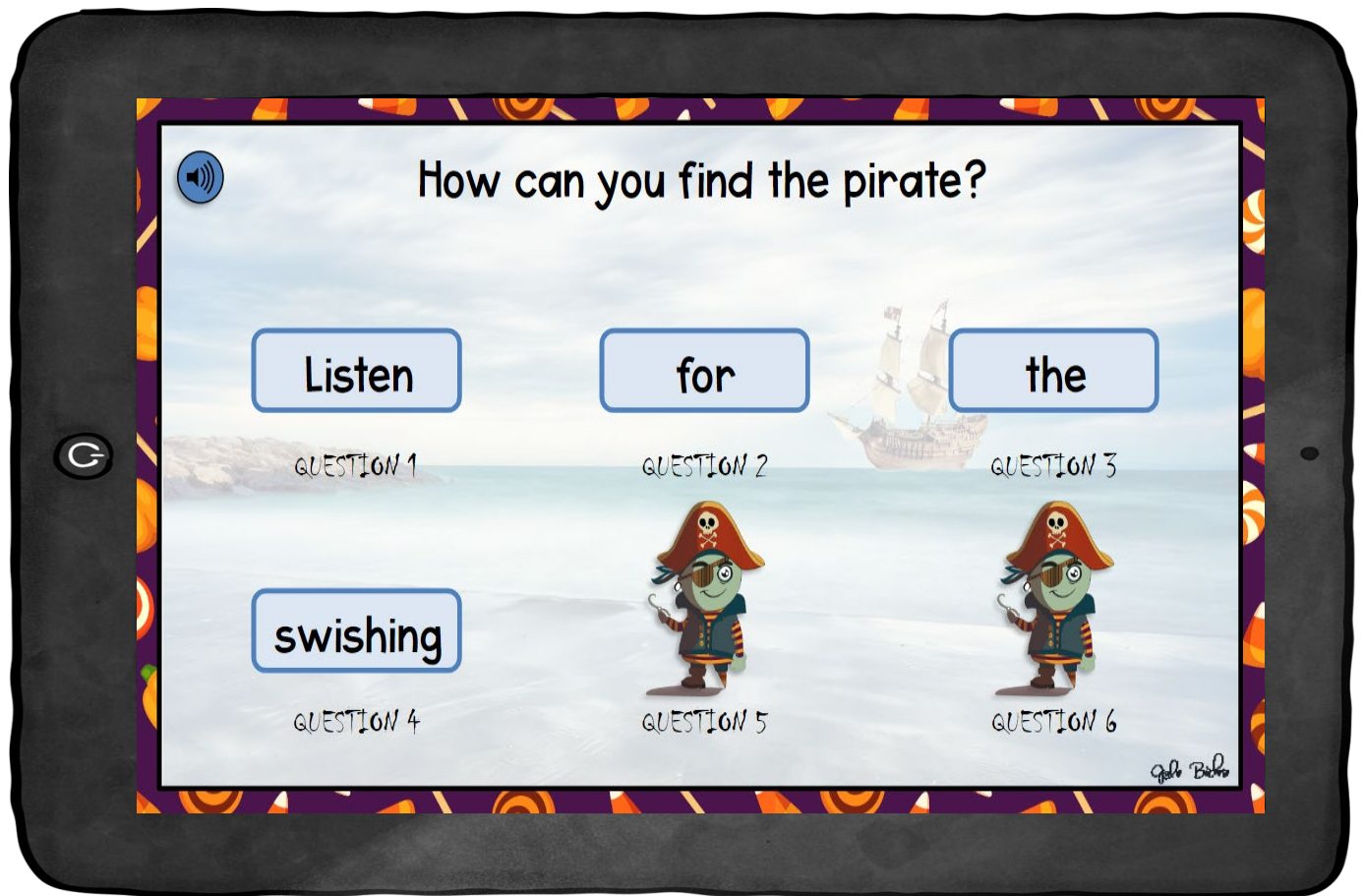


# Webscape™



Most immersive and easy-to-follow experience. Students follow directions with the click of a button.

# Webscape™



Includes option for audio on directions and questions.

# Webscape™



Self-correcting but maintains rigor by ensuring students are not guessing.



# Webscape™



1. There are 4,592 houses in Mapleton that gave out candy to trick-or-treaters on Halloween. If each house gave out 156 pieces of candy, how much candy did all the houses in Mapleton give out to trick-or-treaters in total?

716,352 pieces

55,104 pieces

715,352 pieces

682,448 pieces

Questions review key 5<sup>th</sup> grade  
math skills.

# Printable Version Includes "Ooops!" Challenges

OOPS!

You ate too much Halloween candy and feel sick.



YOU MUST STAY QUIET FOR 5  
MINUTES. NO SPEAKING!

©2015 Baker

OOPS!

wrong turn while trick-or-treating  
and got lost.



NO HELPING YOUR TEAM  
FOR 3 MINUTES!

©2015 Baker



# Printable Version

## Includes Recording


## Brochure & Decoder

### HALLOWEEN DECODER

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

CHALLENGE 1	CHALLENGE 2	CHALLENGE 3	CHALLENGE 4
question 1 a = He b = First c = The d = When	question 2 a = skeleton b = where c = was d = if	question 3 a = walking b = hiding c = scary d = candy	question 4 a = spooky b = said c = in d = behind
question 1 a = Behind b = Where c = Hanging d = Because	question 2 a = spiderweb b = spinning c = from the d = after	question 3 a = ceiling b = second c = far away d = sideways	question 4 a = fright b = to make c = hungry d = inside a
question 1 a = Smashing b = Why c = All d = Listen	question 2 a = them on b = for c = listen d = same	question 3 a = the b = make c = dark d = way	question 4 a = with b = them c = switching d = night
question 1 a = Among b = By c = First d = Taking	question 2 a = hiding b = throwing c = the d = scream	question 3 a = on b = between c = without d = cornucopia	question 4 a = in the b = ground c = candy d = pumpkin

#### CHALLENGE 1




	Answer	Code
1.		
2.		
3.		
4.		
5.		
6.		

Where did you find the mummy?


#### CHALLENGE 2

	Answer	Code
1.		
2.		
3.		
4.		
5.		
6.		

Where did you find the vampire?



#### CHALLENGE 3



	Answer	Code
1.		
2.		
3.		
4.		
5.		
6.		

How can you find the pirate?

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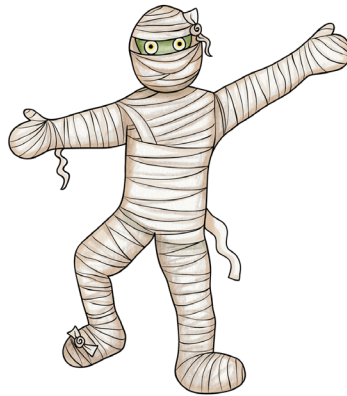


# Google Slides Prompt Students to use Decoder



## Collect the Mummy

Enter your answers in the Decoder to see if you got  
the mummy.



DO NOT go to the next page until  
prompted to do so by the  
Decoder!

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# Decoder in Digital Version is Self-Checking

