

4th 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

1. Split your class into teams of 4-5 students. Ensure teams are multi-level.
2. (Optional) Show the introduction video.
3. Give each team their envelope for challenge #1.
4. 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.
5. The first team to complete all four challenges solves the case and team members receive certificates.
6. 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 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. Audrey is trick-or-treating. She went to 54 houses in her neighborhood and received 3 pieces of candy from each house. How many pieces of candy does Audrey have?

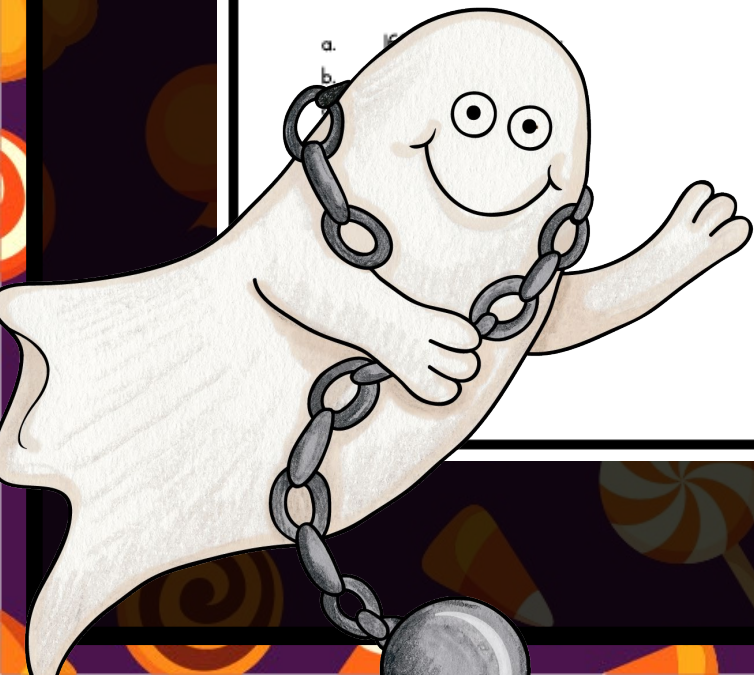
- a. 162
- b. 178

2. Audrey's brother Hugo went trick-or-treating to 89 houses. At 28 of the houses, he received 2 pieces of candy. At 47 of the houses, he received 3 pieces of candy. He received 4 pieces of candy at each of the remaining houses. How many pieces of candy does Hugo have?

- a. 197 pieces of candy
- b. 153 pieces of candy
- c. 253 pieces of candy
- d. 226 pieces of candy

3. There are 37 houses on Larkspur Lane. So far, each house has given out 75 pieces of candy on Halloween. How much candy have all the houses on Larkspur Lane given to trick-or-treaters so far in total?

- a. 750 pieces of candy
- b. 2,775 pieces of candy
- c. 2,135 pieces of candy
- d. 444 pieces of candy



Video Tell the Story



Four Challenges

HALLOWEEN ESCAPE ROOM

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

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

Challenge #3: Solve the problems with place value 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 #1

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



Interactive



Practice Questions



4.

Place Value

The table below shows how many people went trick-or-treating in four neighboring towns.

Town	Mapleton	Valley City	Lakeview	Elmwood
# of trick-or-treaters	2,348	3,604	3,257	2,890

Compare the number of trick-or-treaters in Valley City and Lakeview. Choose the symbol that correctly completes the number comparison below.

3,604 3,257

- c. >
d. +

6.

Multiplication

Using the table from question #4, how many pieces of candy are there in total in 6 bags of candy?

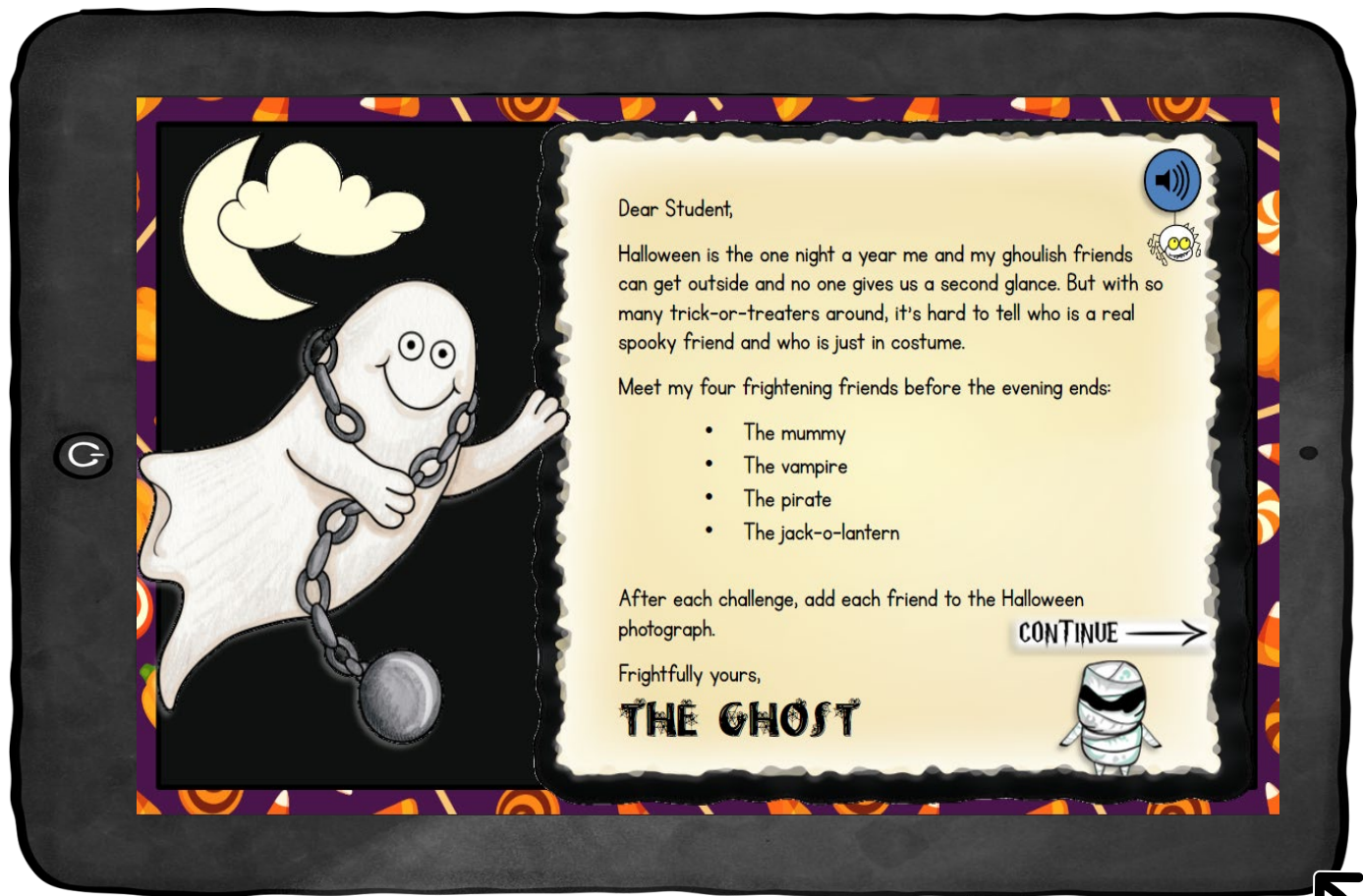
Candy Type	Chocolates	Lollipops	Gummies	Hard Candies
Amount	243	334	286	422

- a. 7,545 pieces of candy
b. 7,710 pieces of candy
c. 8,104 pieces of candy
d. 6,992 pieces of candy

Show your work

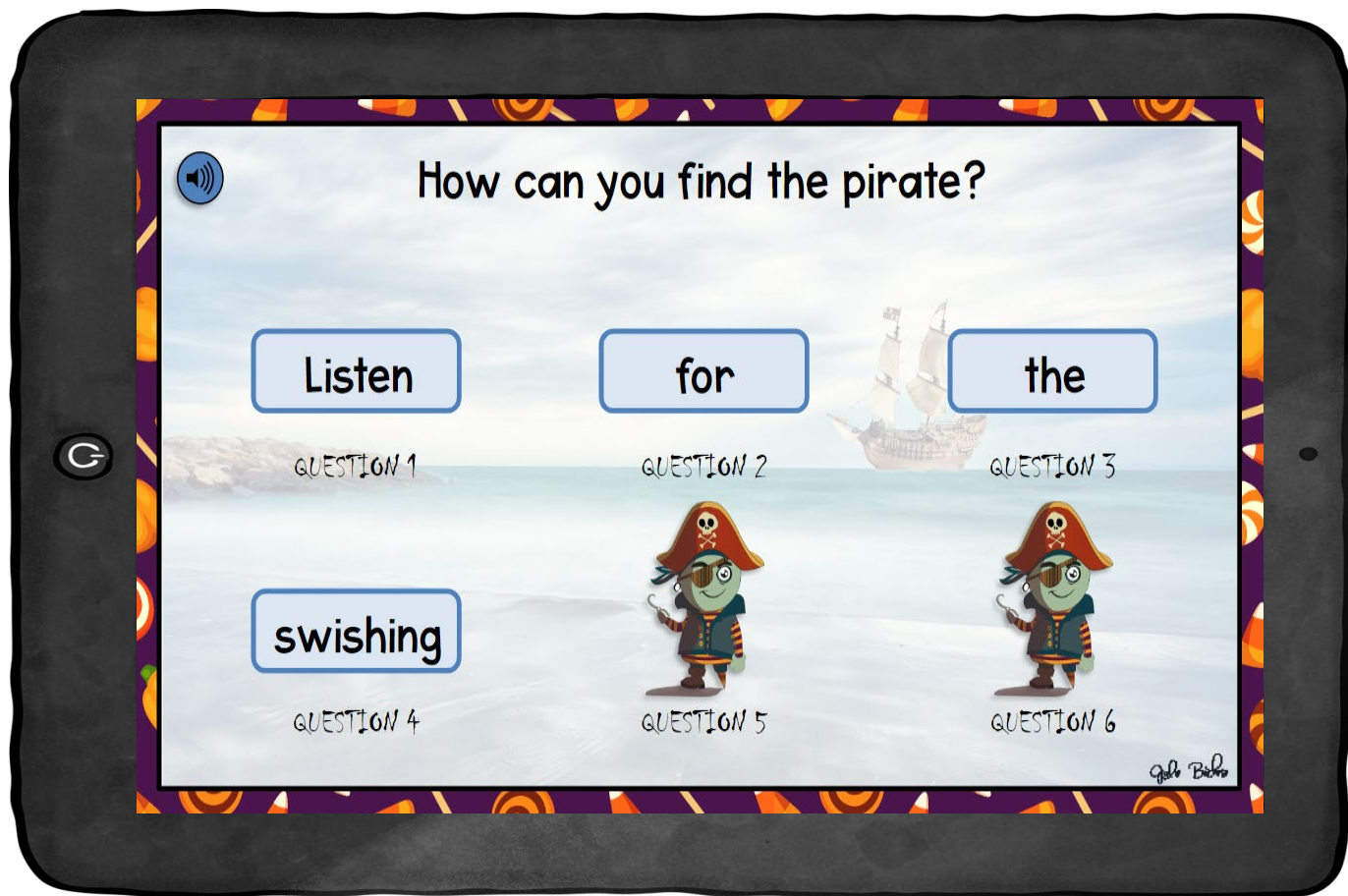


Webscape™



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™



2. Audrey's brother Hugo went trick-or-treating to 89 houses. At 28 of the houses, he received 2 pieces of candy. At 47 of the houses, he received 3 pieces of candy. He received 4 pieces of candy at each of the remaining houses. How many pieces of candy does Hugo have?

197 candies

153 candies

253 candies

226 candies

Questions review key 4th 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!

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OOPS!

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



NO HELPING YOUR TEAM
FOR 3 MINUTES!

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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 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 5 a = an old b = another c = haunted d = museum	question 6 a = ghost b = tombstone c = next d = finally
CHALLENGE 2 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 5 a = running b = haunted c = fly d = in the	question 6 a = house b = candy c = Halloween d = night
CHALLENGE 3 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 = right	question 5 a = ship b = out of c = of his d = the	question 6 a = dark b = eyes c = ears d = pu
CHALLENGE 4 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	question 5 a = into b = dark c = then d = seeds	question 6 a = b = c = d =

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?

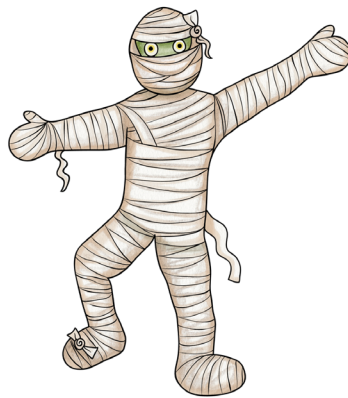
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Google Slides Prompt Students to use Decoder



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

