

### Print & Digital Options

### **Printable Directions**

- 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.

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

- Split your class into teams of 4-5 students. Ensure teams are multi-level.
- (Optional) Show the introduction video
- 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
- Assign "oops" cards to help create equity. Give an "oops" card to students who are taking the
- step back and give other students a turn lead, to encourage t



#### **Print**

- Low prep
- Student collaboration
- Can eliminate technology

#### Google Slides

Decoder included for self correcting

**Videos** 

### Digital Directions

- Google Slides link for each student Google Sheets link for each student

Duration: Approximately 80 minutes. You can also split this up into four 20-minute sessions, having students complete one challenge per

#### Directions:

Assign your students the Google Slides and Google Sheets Digital Escape Room challenge. Students work through each challenge in the slides. Students input their code into the Google Sheet to self-check their answers. The Google Sheet will prompt students to check their work or move forward to the next challenge. Complete all four challenges to receive the Catch an Elf Certificate.

#### Webscape

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

### Print Friendly Version

#### Challenge #2

- I. Solve each place value problem.
- 2. Record answers on your brochure.
- 3. Check your answers in the Escape the Zoo Decoder.
- 4. Put the photo of the elephant into your zoo album.
- 5. Scan the QR code in the corner of the next page.
- 6. Move on to challe --- +2

2. Elton the elephant's weight is shown below. Which statement correctly describes the relationship between the outlined digits below?

12,696

a. The 6 in the rectangle is 10 times greater than

I. The two largest and Elliot. The zowhich elephant we that correctly accomparing their values.

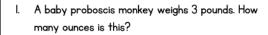
12,696

Elton's weight (in pounds)

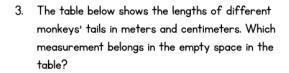
- a <
- **b**.
- c. :
- d. •



- Solve each measurement problem.
- 2. Record answers on your brochure.
- 3. Check your answers in the Escape the Zoo Decoder.
- 4. Put the photo of the monkey into your zoo album.
- 5. Scan the QR code in the corner of the next page.
- 6. Move on to challenge #4.



- a. 36 ounces
- b. 45 ounces
- c. 54 ounces
- d. 48 ounces



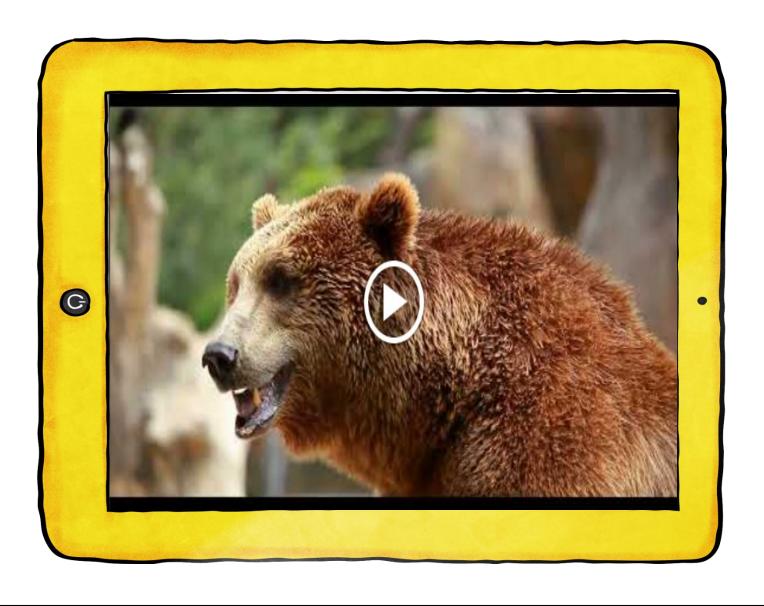
Monkey type	Tail length (m)	Tail length (cm)
Howler	0.73	73
Macaque	0.85	85
Baboon		61
Chimpanzee	0.53	53

- a. 6
- b. 0.6l
- c. 0.06I
- d. 6I.0

2.	Marvin the monkey loves to sleep in his hammock. Today,			
	he slept in his hammock for $4\frac{1}{2}$ hours. How many			
	minutes did Marlin spend in his hammock today?			

- a. 240 minutes
- b. 244 minutes
- c. 270 minutes
- d. 180 minutes

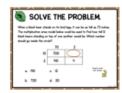
### Video Tell the Story



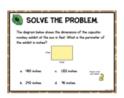
### Four 4<sup>th</sup> Grade Math Skills & Challenges

### Zoo Escape Room

- Challenge #1: Solve the multiplication problems to hear the bears' question.
- Challenge #2: Solve the place value problems to hear the elephants' question.
- 3. Challenge #3: Solve the measurement problems to hear the monkeys' question.
- 4. Challenge #4: Solve the problems with fractions to hear the camels' question.

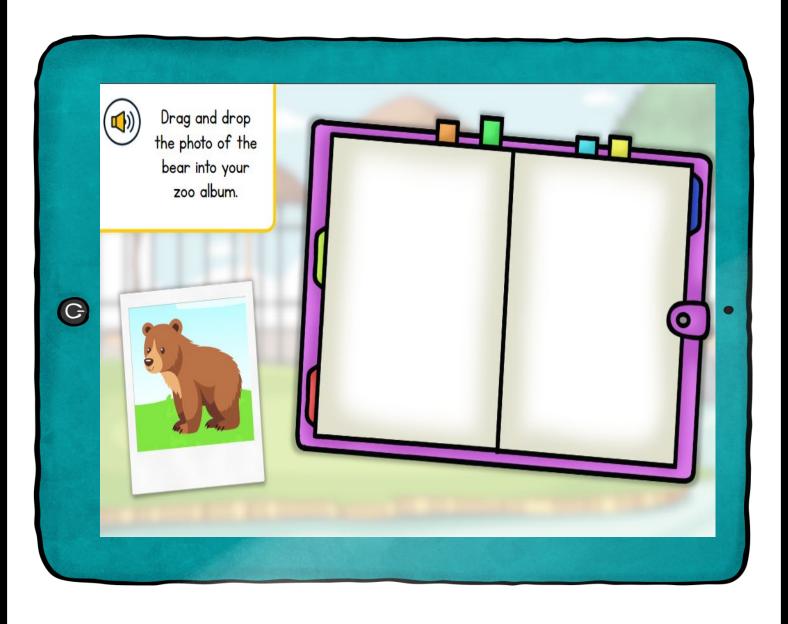








### Interactive

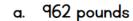


# Challenges are Quick



#### Solve the Problem

Each bear in the bear exhibit eats 16 pounds of food per day. If there are 8 bears in the exhibit, how much food do the bears eat in total in one week?



b. 788 pounds

c. 896 pounds

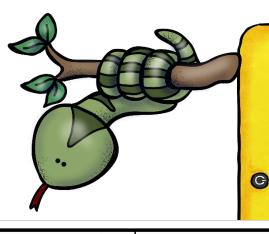
d. 874 pounds

Drag to circle your answer



Onlo Biolino

# Standards - Based Questions





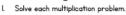
#### Solve the Problem

The zookeepers feed the elephants in the exhibit a diet of grass, leaves, fruit, and tree bark. The amount of each type of food the elephants are fed in one month is shown in the table below. When rounded to the nearest hundred, which two foods are fed to the elephants in equal amounts?

Food type	Grass	Leaves	Fruit	Bark
Amount	2,019 lbs.	1,954 lbs.	2,063 lbs.	2,180 lbs.

- G---- -nd Fruit

#### Challenge #1



- 2. Record answers on your brochure.
- 3. Check your answers in the Escape the Zoo Decoder.
- 4. Put the photo of the bear into your zoo album.
- Scan the QR code in the corner of the next page.
- 6. Move on to challenge #2.
- L Each bear in the bear exhibit eats 16 pounds of food per day. If there are 8 bears in the exhibit, how much food do the bears eat in total in one week?
  - a. 962 pounds
  - 788 pounds
  - c. 896 pounds
  - d. 874 pounds

- There are 4 bear cubs in the exhibit. Each bear cub weighs approximately 65 pounds. What is the total weight of the bear cubs?
  - a. 260 pounds
  - b. 320 pounds
  - c. 300 pounds
  - d. 280 pounds
- When a black bear stands on its hind legs, it can be as tall as 72 inches. The multiplication area model below could be used to find how tall I2 black bears standing on top of one another would be. Which number should go inside the

	70	2	
Ю	700		
2	140	4	

- a. 140
- c. 12
- Ь. 720
- d. 20

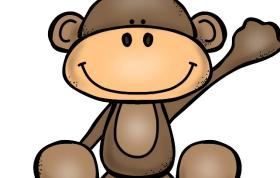
nd Leaves

d Fruit

nd Bark







mall Roll

# Standards - Based Questions



### Solve the Problem

The table below shows the lengths of different monkeys' tails in meters and centimeters. Which measurement belongs in the empty space in the table?

Monkey type	Tail length (m)	Tail length (cm)
Howler	0.73	73
Macaque	0.85	85
Baboon		61
Chimpanzee	0.53	53

a. 6.1

c. 0.061

Drag to circle your answer

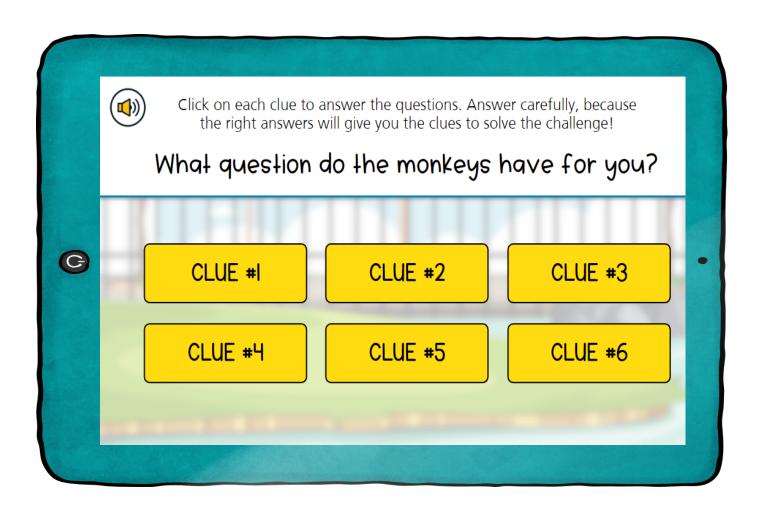
b. 0.61

d. 61.0

Ogula Biolin



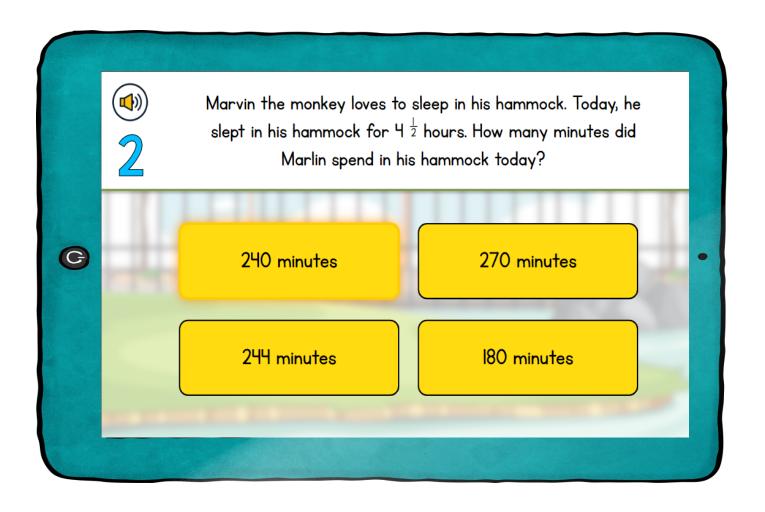
Most immersive and easy-to-follow experience. / Students follow directions with the click of a button.



Includes option for audio on directions and questions.



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



Questions review key 4<sup>th</sup> grade math skills.

### Google Slides Prompt Students to use Decoder

#### **WELL DONE!**

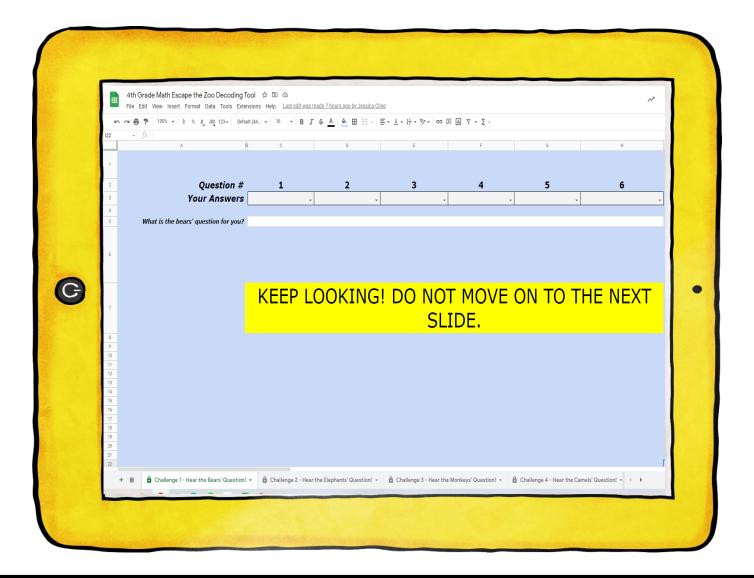
Your answer has satisfied the elephants' curiosity!



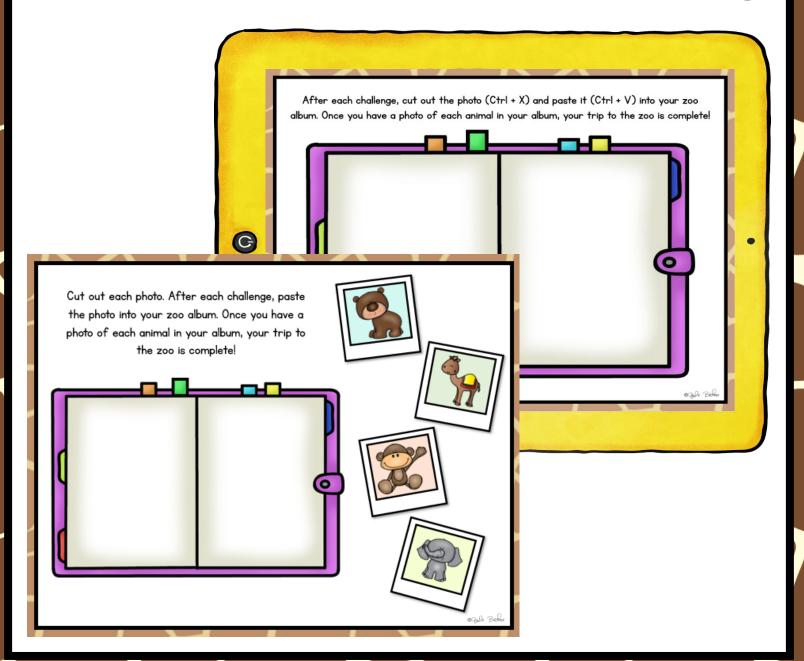
Cut (Ctrl + X) and paste (Ctrl + V) the photo of the elephant into your album. Then, continue on to the next challenge.

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### Decoder in Digital Version is Self-Checking



### Interactive Elements



# Printable Version Includes "Ooops!" Challenges



### Printable Version Includes Recording Brochure & Decoder

