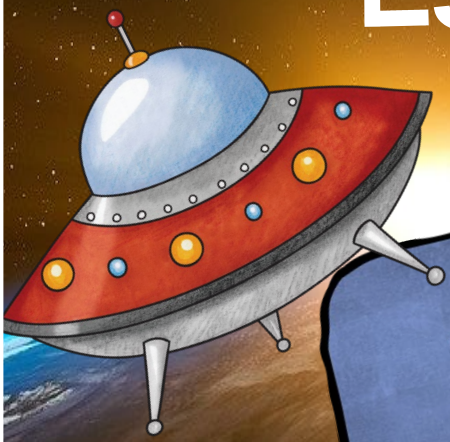
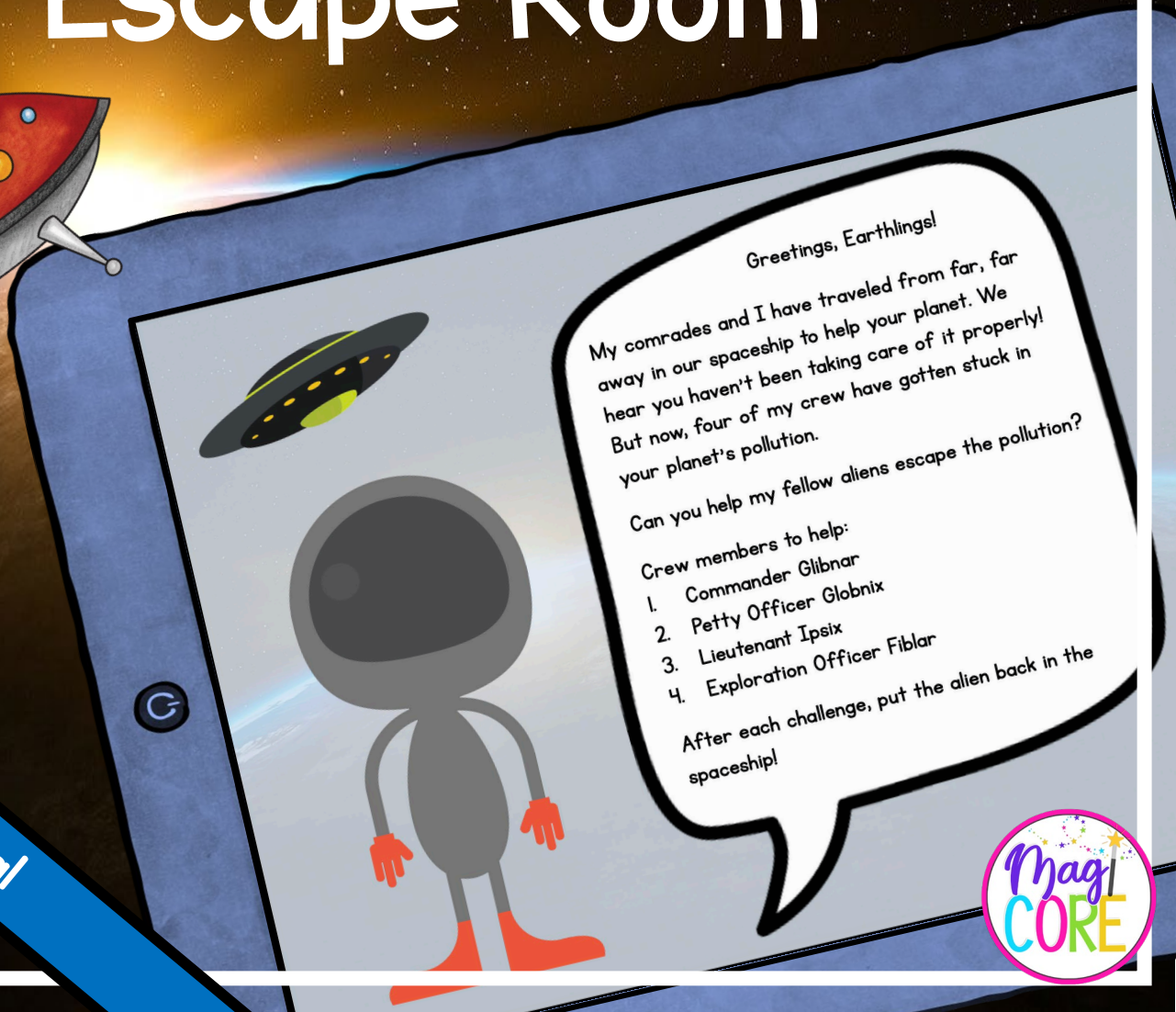
5th Grade Math

Earth Day Alien Rescue

Escape Room



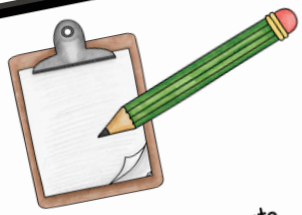


Print & Digital

Magi CORE

Print & Digital Options

Printable Directions



Materials:

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

Duration: Approximately 90 minutes. You can also split this up int to 30-minute activities over four days, having students complete one challeng

Prep: Print challenge cards and recording sheets for each te envelopes.

Directions:

1. Split your class into teams of 4-5 students. Ensure tea
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 ch should turn the code in to the teacher to check befo challenge. (Optional) Teacher may show completion
5. The first team to complete all four challenges certificates.
6. Assign "oops" cards to help create equity. G lead, to encourage them to step back and give

Digital Directions

Materials:

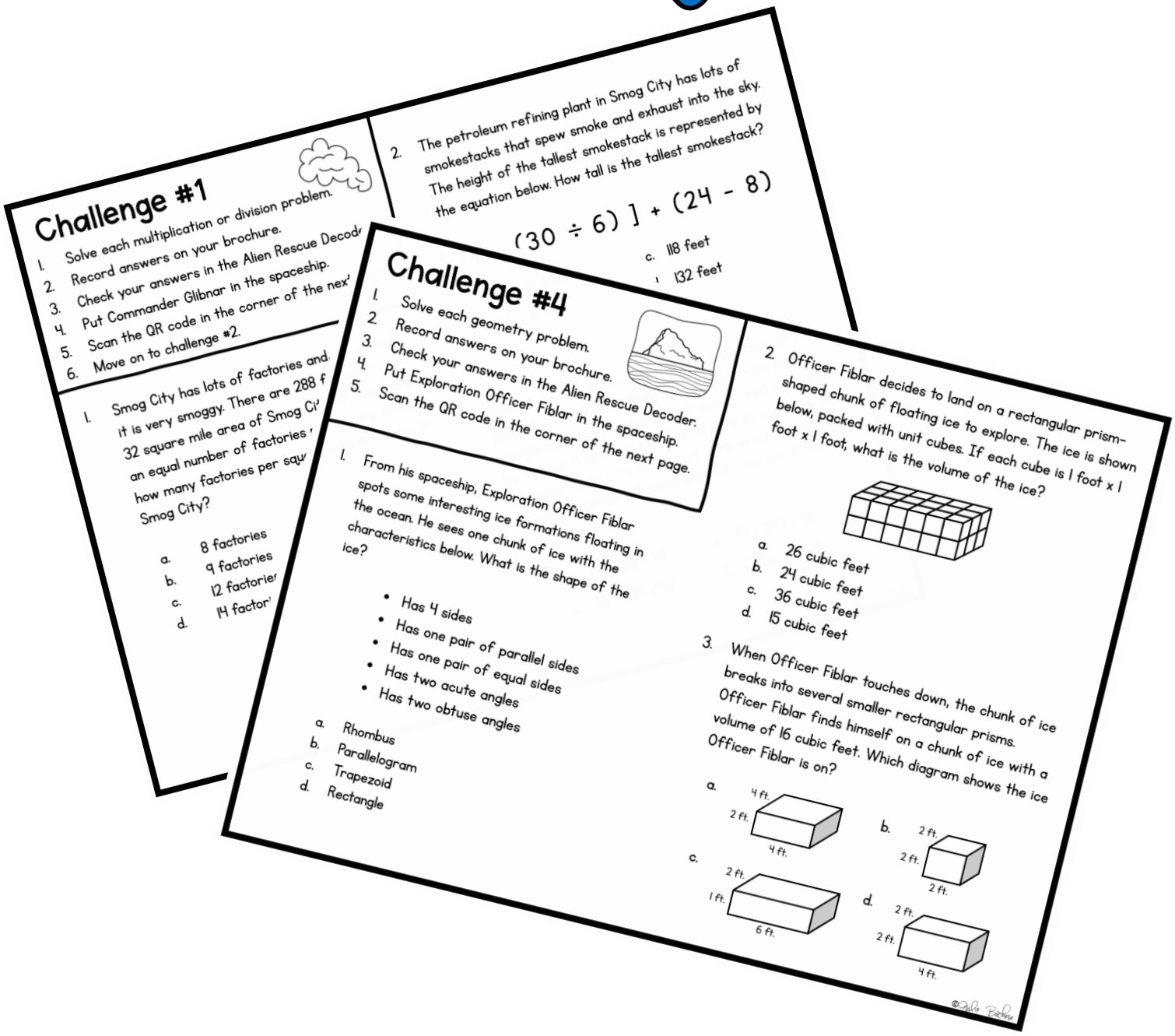
- Google Slides link for each student
- Google Sheets link for each student

Duration: Approximately two sixty-minute sessions. You can also this up into four 20-minute activities, having students complete challenge per day.

Directions

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

Print Friendly Version



Challenge #1

1. Solve each multiplication or division problem.
2. Record answers on your brochure.
3. Check your answers in the Alien Rescue Decod
4. Put Commander Glibnar in the spaceship.
5. Scan the QR code in the corner of the nex
6. Move on to challenge #2.

1. Smog City has lots of factories and it is very smoggy. There are 288 f 32 square mile area of Smog Ci an equal number of factories how many factories per squ Smog City?

   a. 8 factories
   b. 9 factories
   c. 12 factorie
   d. 14 factor

2. The petroleum refining plant in Smog City has lots of smokestacks that spew smoke and exhaust into the sky. The height of the tallest smokestack is represented by the equation below. How tall is the tallest smokestack?

   (30 ÷ 6)] + (24 - 8)

   c. 118 feet
   132 feet

Challenge #4

1. Solve each geometry problem.
2. Record answers on your brochure.
3. Check your answers in the Alien Rescue Decoder.
4. Put Exploration Officer Fiblar in the spaceship.
5. Scan the QR code in the corner of the next page.

1. From his spaceship, Exploration Officer Fiblar spots some interesting ice formations floating in the ocean. He sees one chunk of ice with the characteristics below. What is the shape of the ice?

   - Has 4 sides
   - Has one pair of parallel sides
   - Has one pair of equal sides
   - Has two acute angles
   - Has two obtuse angles

   a. Rhombus
   b. Parallelogram
   c. Trapezoid
   d. Rectangle

2. Officer Fiblar decides to land on a rectangular prism-shaped chunk of floating ice to explore. The ice is shown below, packed with unit cubes. If each cube is 1 foot x 1 foot x 1 foot, what is the volume of the ice?

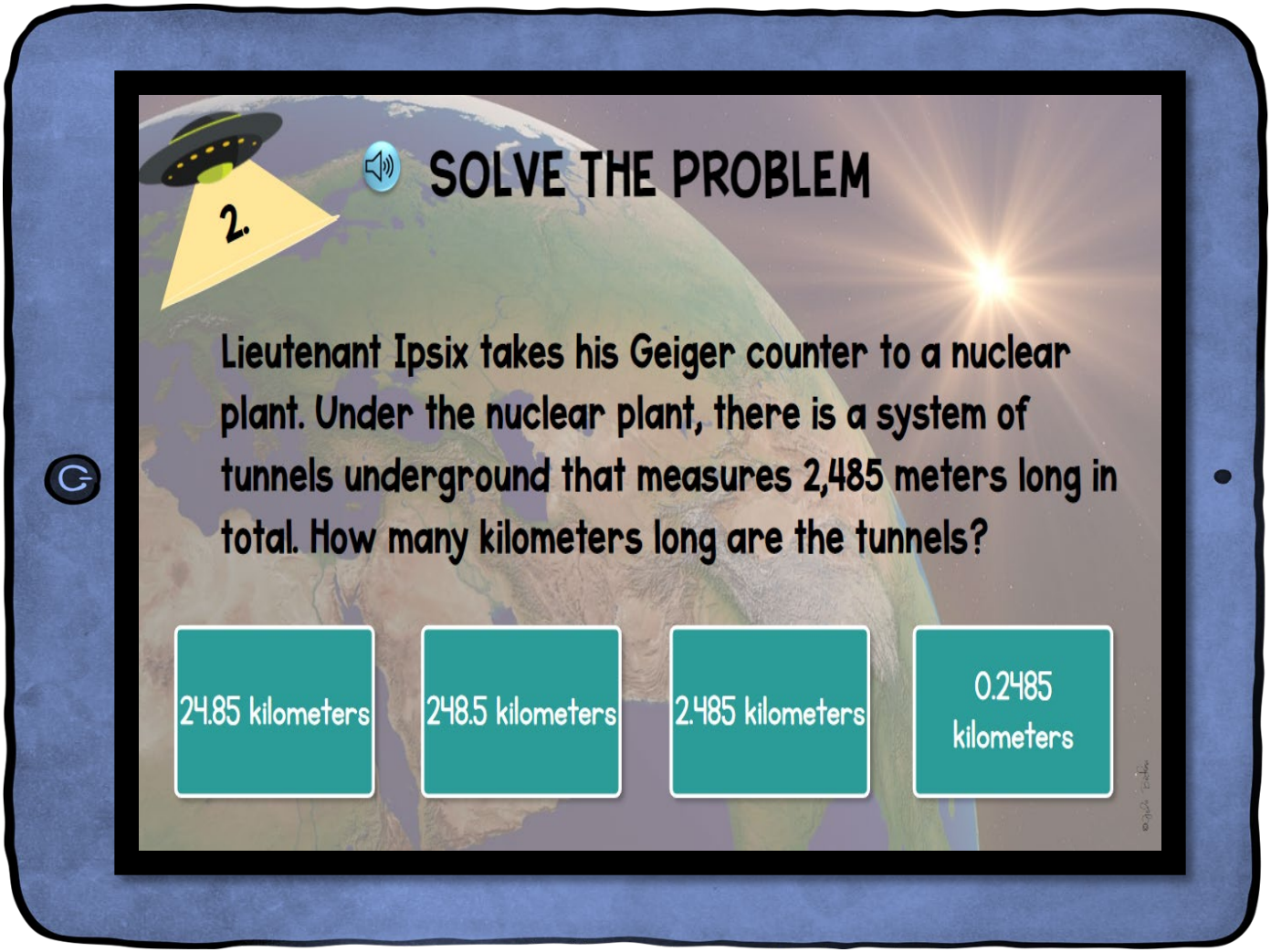
   a. 26 cubic feet
   b. 24 cubic feet
   c. 36 cubic feet
   d. 15 cubic feet

3. When Officer Fiblar touches down, the chunk of ice breaks into several smaller rectangular prisms. Officer Fiblar finds himself on a chunk of ice with a volume of 16 cubic feet. Which diagram shows the ice Officer Fiblar is on?

   a. 4 ft. 2 ft. 4 ft.
   b. 2 ft. 2 ft. 2 ft.
   c. 2 ft. 1 ft. 6 ft.
   d. 2 ft. 2 ft. 4 ft.

Digital Webscape™ & Google Slides

Webscape™ is Interactive & Self-Correcting!



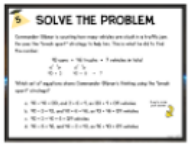
Webscape™ Includes Audio Option!

Videos Tell the Story

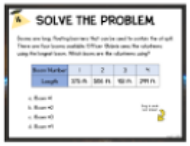
4 Standards-Based Math Challenges

EARTH DAY ALIEN RESCUE

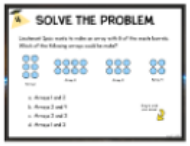
1. Challenge #1: Solve the addition and subtraction problems to save Commander Glibnar.



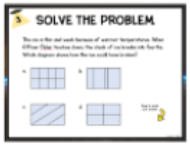
2. Challenge #2: Solve the place value problems to help Petty Officer Globnix.



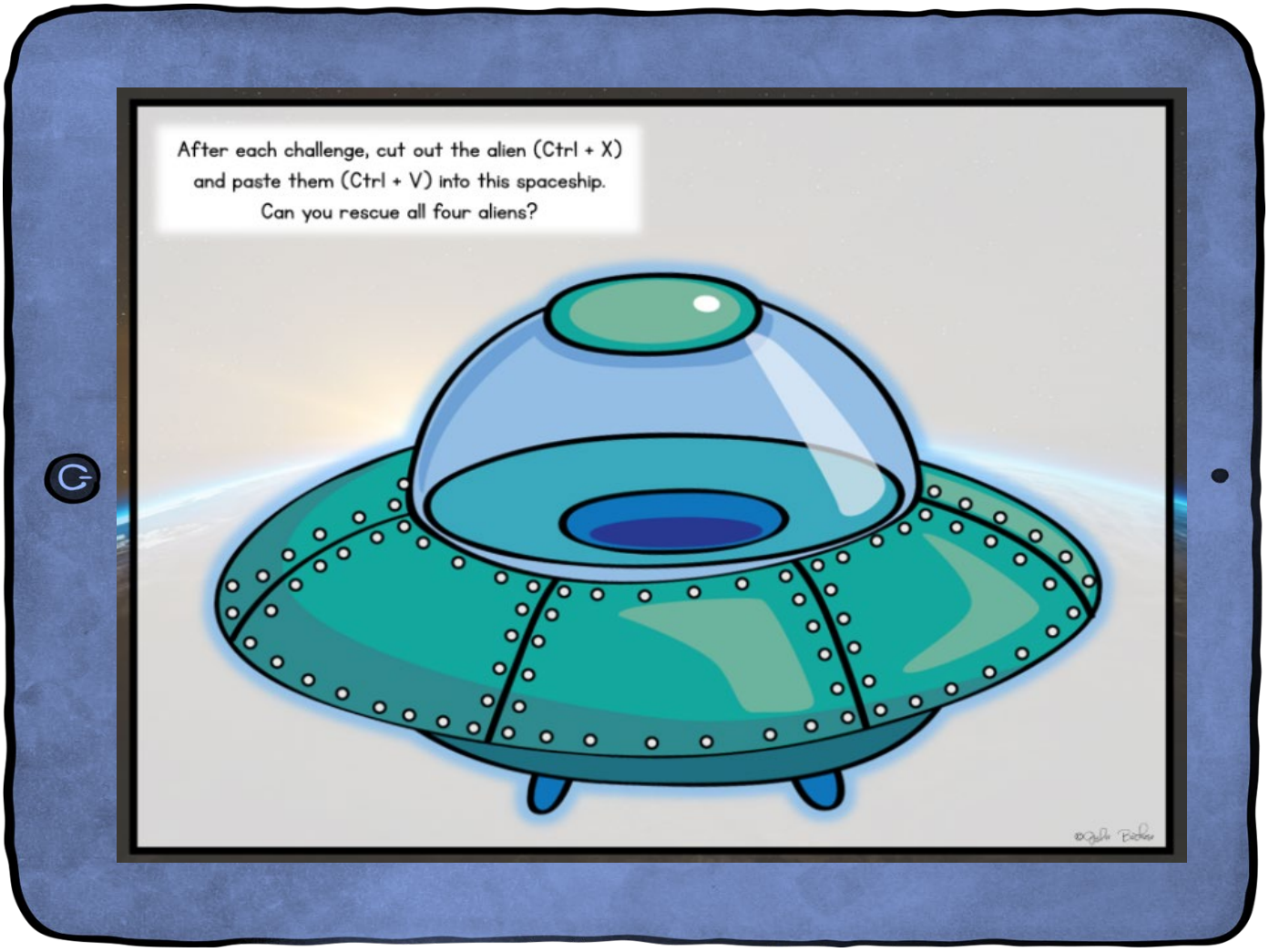
3. Challenge #3: Solve the problems with arrays to evacuate Lieutenant Ipsix.



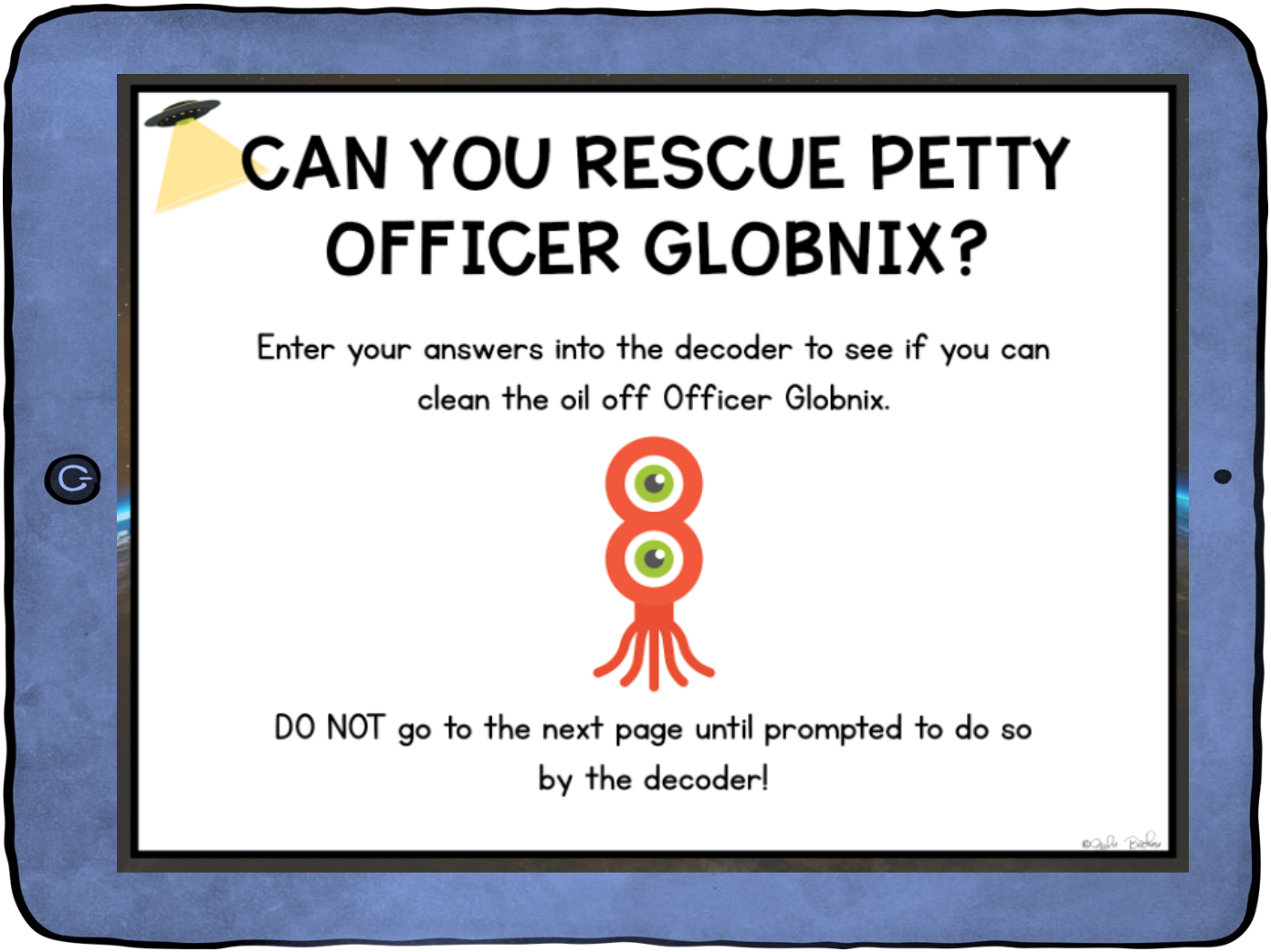
4. Challenge #4: Solve the geometry problems to rescue Exploration Officer Fiblar.



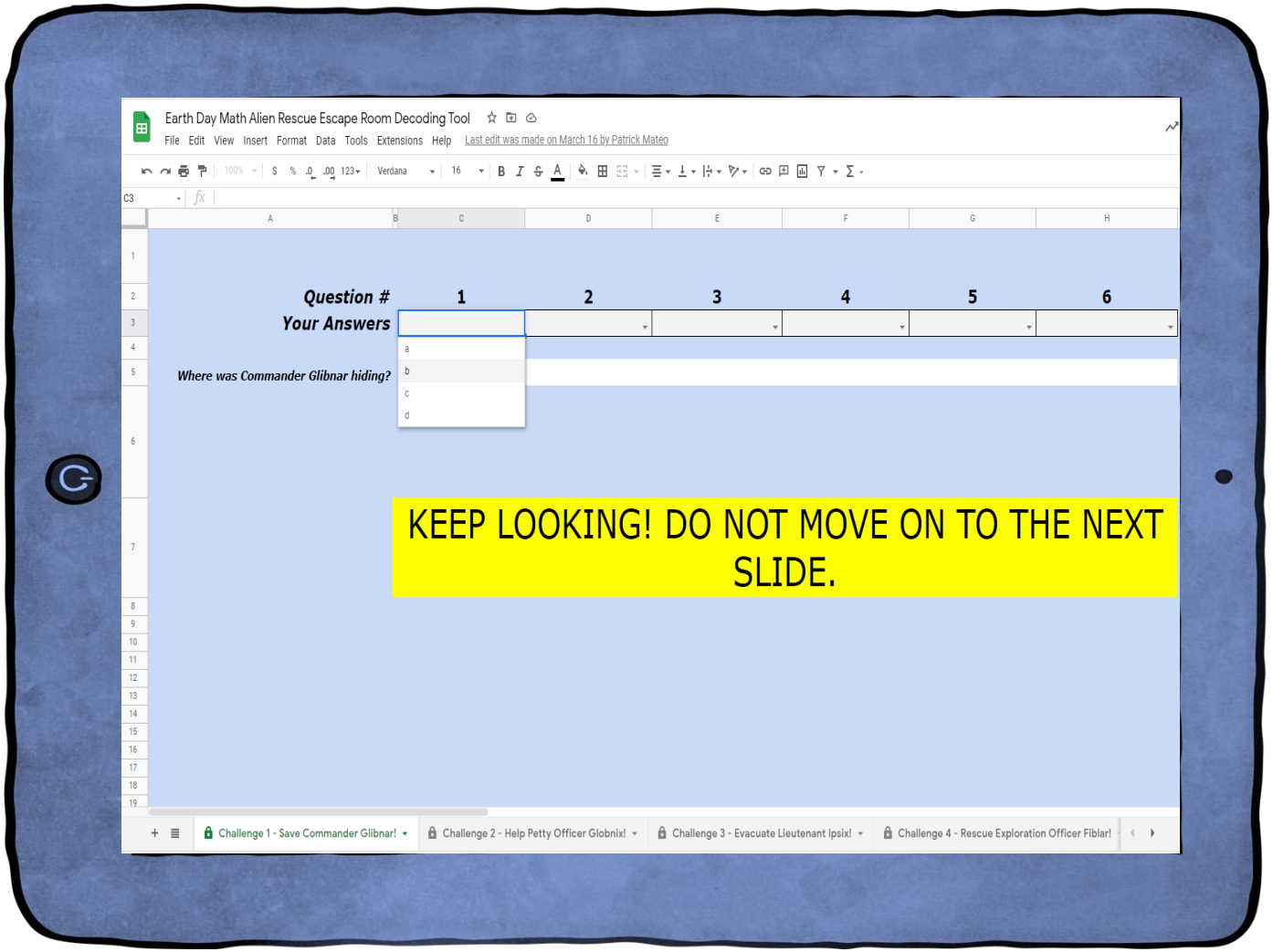
Interactive



Google Slides Prompt Students to use Decoder

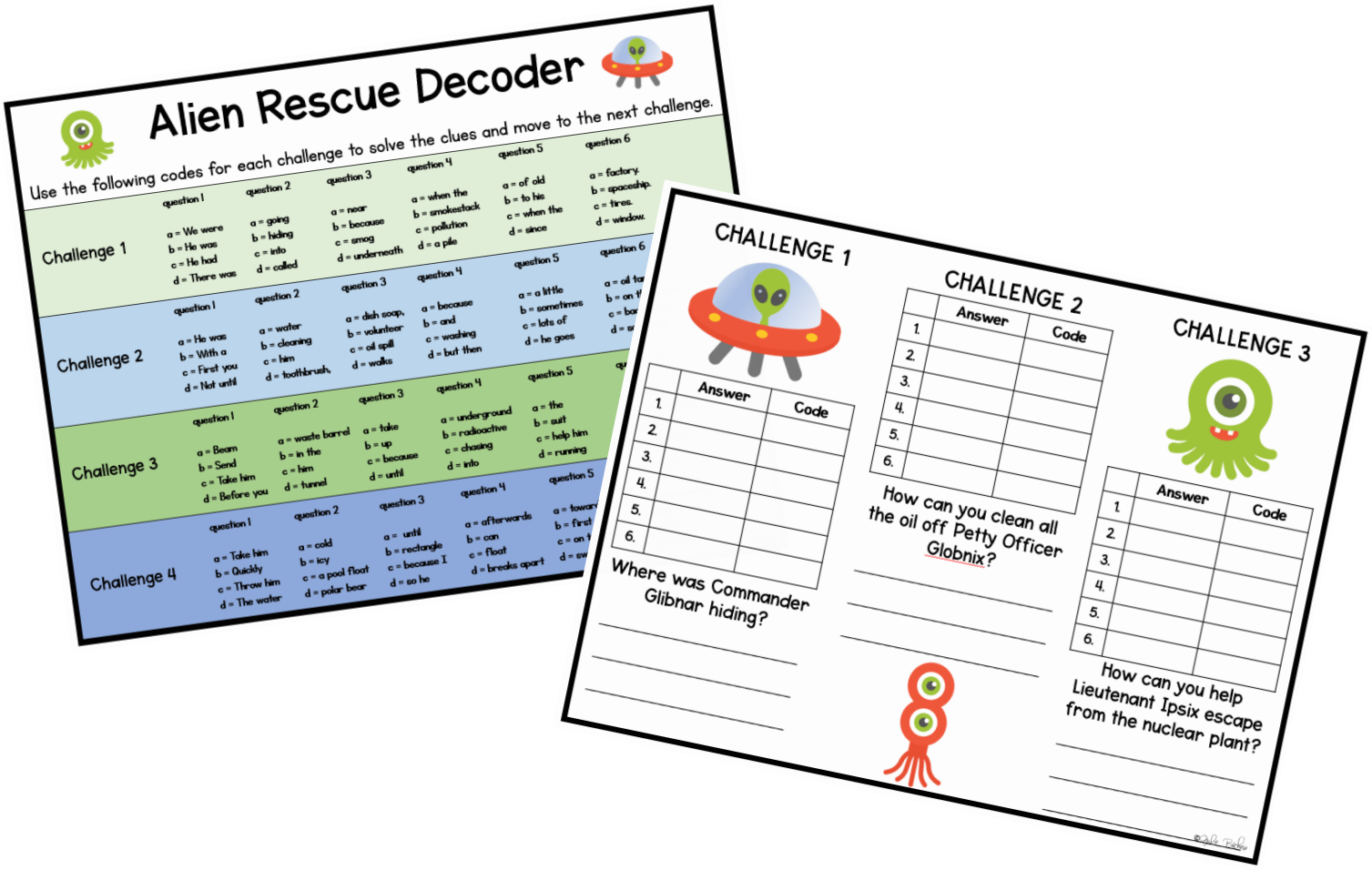


Decoder in Digital Version is Self-Checking



Printable Version Includes "Ooops!" Challenges

Printable Version Includes Recording Brochure & Decoder



Alien Rescue Decoder

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

	question 1	question 2	question 3	question 4	question 5	question 6
Challenge 1	a = We were b = He was c = He had d = There was	a = going b = hiding c = into d = called	a = near b = because c = smog d = underneath	a = when the b = smokestack c = pollution d = a pile	a = of old b = to his c = when the d = since	a = factory. b = spaceship. c = tires. d = window.
Challenge 2	a = He was b = With a c = First you d = Not until	a = water b = cleaning c = him d = toothbrush,	a = dish soap, b = volunteer c = oil spill d = walks	a = because b = and c = washing d = but then	a = a little b = sometimes c = lots of d = he goes	a = oil tar b = on t c = bar d = s
Challenge 3	a = Beam b = Send c = Take him d = Before you	a = waste barrel b = in the c = him d = tunnel	a = take b = up c = because d = until	a = underground b = radioactive c = chasing d = into	a = the b = suit c = help him d = running	qu
Challenge 4	a = Take him b = Quickly c = Throw him d = The water	a = cold b = icy c = a pool float d = polar bear	a = until b = rectangle c = because I d = so he	a = afterwards b = can c = float d = breaks apart	a = towar b = first c = on t d = sw	

CHALLENGE 1

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

Where was Commander Glibnar hiding?

CHALLENGE 2

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

How can you clean all the oil off Petty Officer Globnix?

CHALLENGE 3

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

How can you help Lieutenant Ipsix escape from the nuclear plant?