

PRINTABLE • GOOGLE • WEBSCAPE™

Print & Digital Options

5th Grade

G

Printable Directions

- Printed cards for each team 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.

Directions

- (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

G

- Assign "cops" cards to help create equity. Give an "cops" card to students who are taking the 5
- 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

MAR AND A

0

Digital Instructions Click the GREEN button below to access the Google Slides version of this resource. Digital Escape Room Click the YELLOW button below to access the

Time Machine Decoder to use in Google Sheets. Time Machine Decoder

Click the RED button below to watch a video to see how to use the digital version of this resource.

Instructions Video

Webscape

ICATUS CONSTRUCT SAN

- Self correcting
- Easy to follow
- Animation
- Videos

TIME MACHINE

Escape Room

START

Audio

TINELIM

Print Friendly Version

Challenge #1



. Solve each measurement conversion problem.

- 2. Record answers on your brochure.
- 3. Check your answers in the Time Machine Decoder.
- Add the book to your workshop.
- 5. Scan the QR code in the corner of the next page.

Ч.

5.

6. Move on to the challenge #2.



from the earl Challenge #4

Show your wo

		1
		- 2
a.	135 kilometer	I.
b.	1.35 kilometer	
C.	0.0135 kilome	
d.	0.135 kilometa	

Thank

You were hungry when you arrived, so you bought a box lunch. The box has a length of 8.25 in and a height of 3.5 in. The volume is II5.5 cubic inches. How wide is the box your lunch came in?

Show your work

4 inches

3.5 inches

5.75 inches

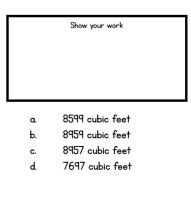
6 inches

a.

h

C.

You build a trap for the Tyrannosaurus Rex. It is 31 feet tall, and 17 feet long and wide. What is the volume of the trap?



3.

One of the drivers on the highway tells you he had to fill up his extra rectangular gas tank to run from the Tyrannosaurus Rex. The volume of the extra tank is 1,165.5.5 cubic inches. The longest side is 18.5 inches. Find the correct equation that shows the volume.

CATUS CONTROL

K

	Show your work	
a.	18.5 x 13 x 5.25	
b.	18.5 x 12.25 x 5	
с.	18.5 x 12 x 5.25	
d.	18.5 × 12 × 5	OGula Bichesa

M

LIN H



2.

- Solve each volume problem.
- Record answers on your brochure.
 Check your answers in the Time M
 - Check your answers in the Time Machine Decoder.
 - Add the Tyrannosaurus Rex to your workshop.
 - Scan the QR code in the corner of the next page.
- 6. Fix the time stream!



Four Standards-Based Math Challenges

Time Machine Escape Room

- I. Challenge #1: Solve the measurement conversion problems to find the book.
- 2. Challenge #2: Solve the volume problems to find the smartphone.
- 3. Challenge #3: Solve the volume problems to find the fidget spinner.
- 4. Challenge #4: Solve the volume problems to find the Tyrannosaurus Rex.

The stand

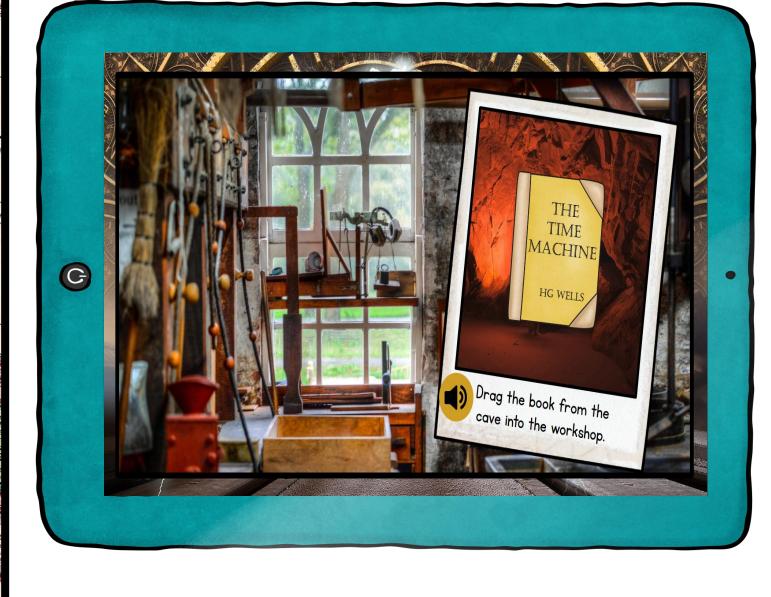
N



TUS

M

H)



THE PARTY OF

Challenges are Quick

Solve the Volume Problem

You find some bricks they are using to build the Great Wall of China. One brick measures 4 cm by 15 cm by 8 cm. Another brick has a volume equal to one half the first brick. What might the dimensions of the second brick be?

Show your work

The answer is:

G

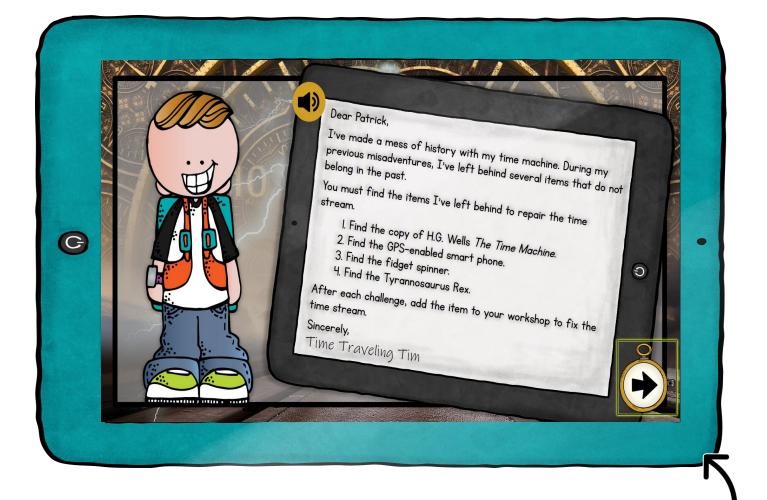
The stand

- a. 2 cm by 6 cm by 20 cm
- b. 4 cm by 6 cm by 12 cm
- c. 2 cm by 7 cm by 4 cm
- d. 4 cm by 12 cm by 14 cm

ogul Bo

CATUS CONT

CALIN FALL M



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

Berny MIN (1)

		you find the sm	he clues to help you solve the challenge! hart phone?	
	Genghis	Khan	had it	
	in	503		
©C.	De Bieller	Question 5	Question 6	

Includes option for audio on directions and questions.

TUS CONTROP



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

The second

-TT IN HALL

M

5.			n is 5 pounds. Choos of each item in oun	
SI	how your work he	and the second second		25-F
<u> </u>	itch: 16 ounces,	Watch: 12 ounces,	Watch: 64 ounce	s, Watch: 68 ounces,

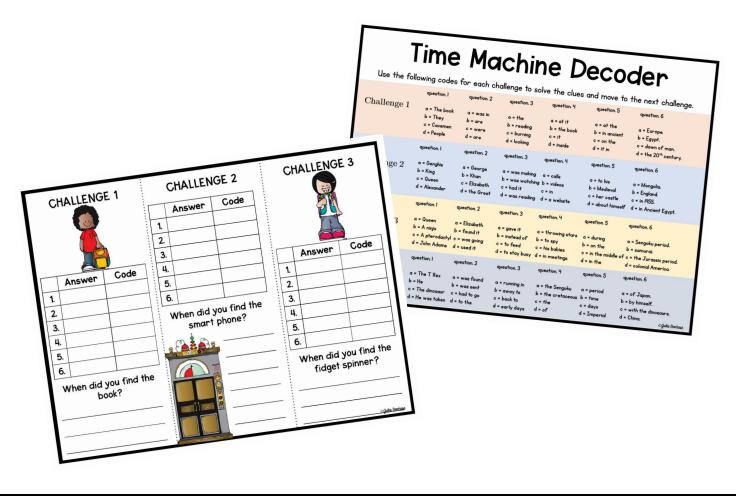
C

The stand of the s

Questions review key 5th grade math skills.



Printable Version Includes Recording Brochure & Decoder



Bescara 1

THE ANDRA

0

TINEN M

CONTROP

TCATUS

Google Slides Prompt Students to use Decoder

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

Decoder in Digital Version is Self-Checking

		Time Machine Decoding Tool					
		File Edit View Insert Format Data	-				~
(G42	- fx	Default (An •	10 • B I • <u>A</u>		At CO D III A	* 2 *
			B C	D	E	F	
	1 2 3	Question # Your Answers		2	3	4	*
	4	When did you find it?					
	6						
	7		KEEP I	_OOKING!	DO NOT SLI		OI
	8		KEEP I	_OOKING!			10
	8 9 10		KEEP I	_OOKING!			0
	8		KEEP I	_OOKING!			OI

The and the