

4th Grade

MULTIPLICATIVE COMPARISON

ATLANTIS ESCAPE ROOM



PRINTABLE • GOOGLE • WEBSCAPE™

Escape Atlantis!

Students won't realize they are practicing Multiplicative Comparison skills! They will be immersed in the storytelling and our original videos as they complete math challenges.



Learn more!



4 Mathematics Challenges

- Challenges focused on Multiplicative Comparison
- Each challenge takes about 20-30 minutes

Learn more!



Challenge #1

1. Solve each multiplicative comparison problem.
 2. Record answers on your brochure.
 3. Check your answers in the Atlantis Decoder.
 4. Add the volcano photo to your lifeboat.
- Scan the QR code in the corner of the page.
Move on to challenge #2.



Scan the QR code or click [here](#) to view the video.



Challenge #2

1. Solve each multiplicative comparison problem.
 2. Record answers on your brochure.
 3. Check your answers in the Atlantis Decoder.
 4. Add the comet photo to your lifeboat.
 5. Scan the QR code in the corner of the page.
- Move on to challenge #3.



Scan the QR code or click [here](#) to view the video.



Challenge #3

1. Solve each match the equations problem.
 2. Record answers on your brochure.
 3. Check your answers in the Atlantis Decoder.
 4. Add the sea monsters' photo to your lifeboat.
 5. Scan the QR code in the corner of the next page.
- Move on to challenge #4.



1. Which description explains the equation? $8 \times 3 = 24$

a. The 8 represents the number of adult starfish on the shore. The 3 represents how many more baby starfish are on the shore. The 24 represents the number of starfish altogether.

b. The 8 represents the number of starfish on the shore. The 3 represents the number of adult starfish. The 24 represents the number of baby starfish that are on the shore.

c. The 8 represents the number of adult starfish on the shore. The 3 represents how many more baby starfish. The 24 represents the number of baby starfish on the shore.

d. The 8 represents the number of baby starfish on the shore. The 3 represents how many more adult starfish. The 24 represents the total number of starfish on the shore.

2. Which description explains the equation? $11 \times 10 = 110$

a. The 11 represents the number of asteroids Poseidon saw this month. The 10 represents the number of asteroids he saw last month. The 110 represents the number of asteroids in all.

b. The 11 represents the number of asteroids Poseidon saw last year. The 10 represents the number of asteroids he saw this month. The 110 represents the number of times asteroids in two years.

c. The 11 represents the number of asteroids Poseidon saw last year. The 10 represents how many times more asteroids he saw this year. The 110 represents the number of asteroids he saw this year.

d. The 11 represents the number of asteroids Poseidon saw last month. The 10 represents how many fewer asteroids he saw this month. The 110 represents the number of asteroids he saw in all.

3. Which description explains the equation? $60 = 12 \times 5$

a. The 60 represents the number of sharks around the submarine. The 12 represents the number of female sharks. The 5 represents how many sharks were around the submarine.

b. The 60 represents the number of sharks around the submarine. The 12 represents the number of male sharks. The 5 represents how many sharks were around the submarine.

c. The 60 represents the number of sharks around the submarine. The 12 represents the number of sharks. The 5 represents how many sharks were around the submarine.

d. The 60 represents how many sharks around the submarine. The 12 represents how many female sharks were around the submarine. The 5 represents how many more sharks were males.

4 Mathematics Challenges

- Themed videos integrated throughout the Escape Room to keep kids engaged.
- Students work in groups, partners, or independently.

Learn more!

4. Which comparison statement matches the equation?
 $4 \times 16 = 64$
5. Which comparison statement matches the equation?
 $100 \times 5 = 500$
6. Which comparison statement matches the equation?
 $57 = 19 \times 3$
- a. Today, he found 16 times the 64 shells he found yesterday.
b. Today, he found 16 more shells than the 4 shells he found yesterday.
c. Today, he found 64 times the 4 shells he found yesterday, which is 16.
d. Today, he found 4 times the 16 shells he found yesterday, which is 64.
- a. Poseidon saw 500 stars in August, which is 5 times as many as he saw in July.
b. Poseidon saw 500 more stars in August than in July. He saw 100 in July.
c. Poseidon saw 100 times more stars in August than in July. He saw 500 in July.
d. Poseidon saw 5 times as many stars in August as he saw in July. He saw 500 in July.
- a. There were 19 storms last year, 3 more this year. There were 16 storms in all.
b. There were 57 storms this year, which is 3 times as many last year. There were 19 storms last year.
c. There were 19 storms this year, which is 3 times as many last year. There were 57 storms last year.
d. There were 57 storms this year, which is 3 more than last year. There were 19 storms last year.

Scan the QR code or click [here](#) to view the video.



Challenge #4

- Solve each multiplicative comparison word problem.
- Record answers on your brochure.
- Check your answers in the Atlantis Decoder.
- Add the tidal wave photo to your lifeboat.
- Scan the QR code in the corner of the next page.
- Escape Atlantis!



- Find the equation that represents the word problem.
- Find the equation that represents the word problem.

On Monday, the sea monster ate 13 eels. It ate 4 times as many eels on Tuesday. How many eels did the sea monster eat on Tuesday?

Show Your Work

- a. $52 = 13 \times 4$
b. $13 \times 4 = 52$
c. $52 = 13 \times 4$

This morning, the submarine was 180 feet under the sea. It was 4 times as deep as it was yesterday. How many feet under the sea was it yesterday?

Show Your Work

- a. $180 - 40 = 140$
b. $180 \times 4 = 720$
c. $180 \div 4 = 45$

An asteroid was visible for 15 minutes. It was visible 15 times longer than the comet. How long was the comet visible?

Show Your Work

- a. $225 = 15 \times 210$
b. $225 = 15 \times 15$
c. $15 = 225 \times 15$

- Read the word problem and find the statement that is false.
Captain Ed is 4 times as old as his son and half the age of his father, who is 96 years old.

Show Your Work

- a. Captain Ed is 46 years old.
b. Captain Ed's son is 12 years old.
c. Captain Ed's father is 2 times as old as Captain Ed.
d. Captain Ed's father is 8 times older than Captain Ed.

- Read the word problem and find the statement that is false.
During the past 100 years, the tallest volcano erupted 5 times as many days as the middle-sized volcano. During the same time, the shortest volcano erupted for a total of 225 days, which is half the number of days as the middle-sized volcano.

Show Your Work

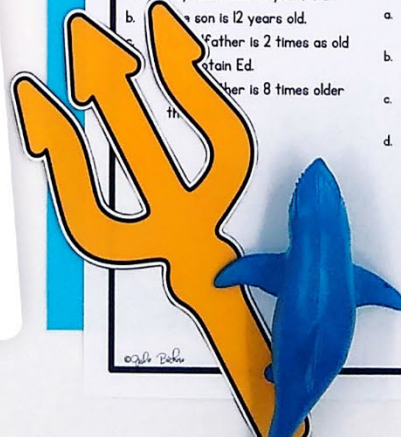
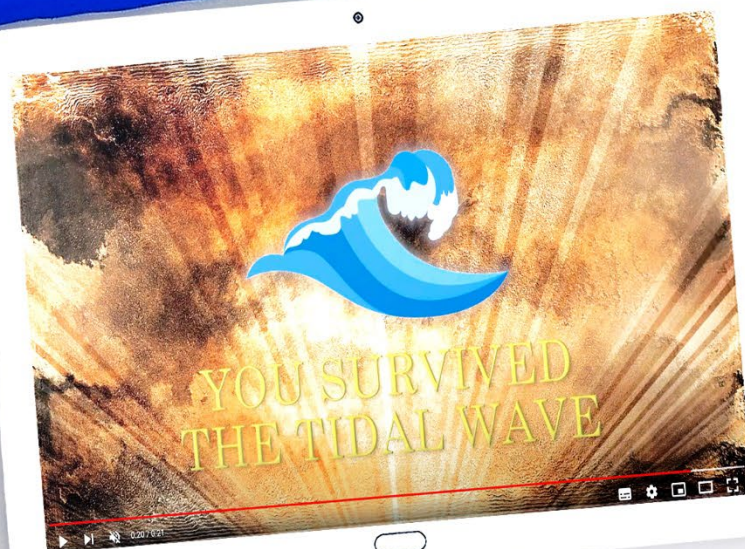
- a. The tallest volcano erupted 10 times as many as the shortest volcano.
b. The middle-sized volcano erupted for 425 days.
c. The tallest volcano erupted for 2250 days.
d. The middle-sized volcano erupted for 2 times as many days as the shortest volcano.

- Read the word problem and find the correct comparison.
Two ships searched for the lost city of Atlantis in the summer. Ship one spent 4 times as many hours searching as ship two did.

Show Your Work

- a. Ship one searched for 1400 hours and ship two searched for 360 hours.
b. Ship one searched for 1446 hours and ship two searched for 362 hours.
c. Ship one searched for 1460 hours and ship two searched for 365 hours.
d. Ship one searched for 1422 hours and ship two searched for 356 hours.

Scan the QR code or click [here](#) to view the video.



Challenge #1

1. Solve each multiplicative comparison problem.
2. Record answers on your brochure.
3. Check your answers in the Atlantis Decoder.
4. Add the volcano photo to your lifeboat.
5. Scan the QR code in the corner of the page.
6. Move on to challenge #2.



1. Which multiplicative equation matches the comparison statement?
The ship sailed for 7 days in January. It sailed three times as many days in February. How many days did it sail in February?

- a. $7 \times 3 = 24$ days
- b. $7 - 3 = 4$ days
- c. $7 + 3 = 10$ days
- d. $7 \times 3 = 21$ days

2. Which multiplicative equation matches the comparison statement?
Poseidon built 6 rooms on Atlantis. He built 2 times as many rooms on the island. How many rooms did he build on the island?

- a. $6 \times 2 = 12$ rooms
- b. $6 + 2 = 8$ rooms
- c. $6 + 6 = 12$ rooms
- d. $6 - 2 = 4$ rooms

3. Which multiplicative equation matches the comparison statement?
The tsunami created waves that were 10 feet high. The waves were 3 times as high as the waves on the island. How high were the waves on the island?

- a. $10 \div 3 = 30$
- b. $10 \times 3 = 30$
- c. $10 + 3 = 13$
- d. $10 \times 30 = 300$

1

Solve the multiplicative comparison problem.

Which multiplicative equation matches the comparison statement?

The ship sailed for 7 days in January. It sailed three times as many days in February. How many days did it sail in February?

- a. $7 \times 3 = 24$ days
- b. $7 - 3 = 4$ days
- c. $7 + 3 = 10$ days



1

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$7 + 3 = 10$ days

$7 \times 3 = 21$ days




©Julia Becker

3 Versions

- Print
- Google Slides
- Webscape™ (Our most popular experience)

Learn more!



	PDF 	Google Slides 	Webscape™ 
Format Type	Printable	Digital	Digital
Device	N/A	Any Device	Any Device
Required Prep	Print & Go	Copy & Share	Zero Prep
Student Answers	Printable Answer Pamphlet	Google Sheets Decoder Tool	Integrated Challenge Hub
Self Correcting	Includes Answer Key	Self Correcting	Self Correcting
Custom Videos	QR Codes	Embedded You Tube	Embedded
Audio Readings	N/A	No Audio Readings	Contains Audio Readings
Navigation	N/A	Student Directed	Automatically Advancing
Extras	Early Finish Challenges	Movable Pieces	Interactive Animation

3 Versions

- Print
- Google Slides
- Webscape™ (Our most popular experience)

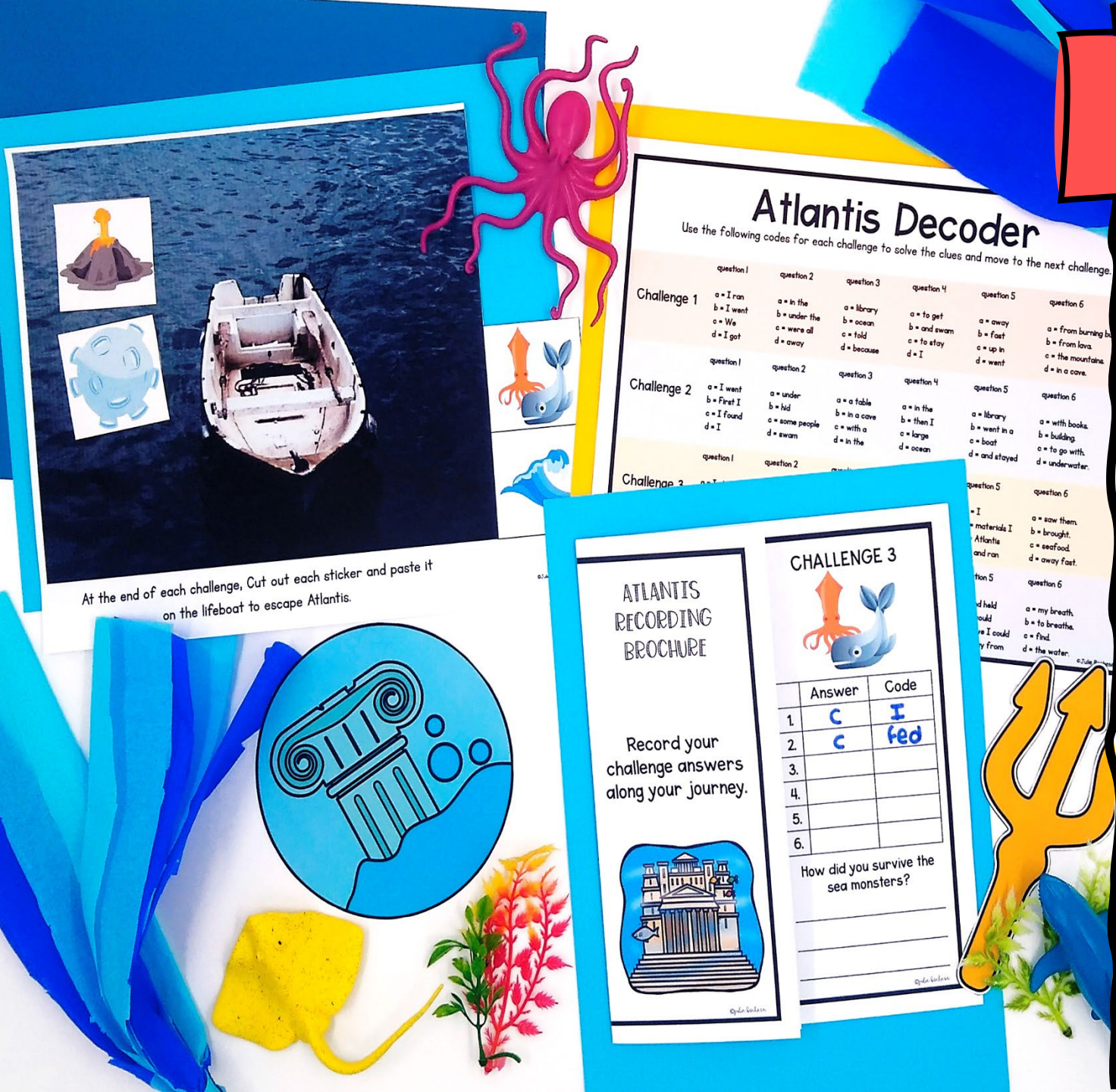
Learn more!



Print

- Cut and paste stamps for each challenge
- Easy to follow
- Optimal for group or partner work
- Recording brochure for answers
- Self-checking decoder
- Certificate of completion

Learn more!



Atlantis Decoder

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

Challenge 1	question 1	question 2	question 3	question 4	question 5	question 6
	a = I ran b = I went c = We d = I got	a = in the b = under the c = were all d = away	a = library b = ocean c = fold d = because	a = to get b = and swam c = to stay d = I	a = away b = fast c = up in d = went	a = from burning b b = from lava c = the mountains d = in a cave.
Challenge 2	question 1	question 2	question 3	question 4	question 5	question 6
	a = I went b = First I c = I found d = I	a = under b = hid c = some people d = swam	a = a table b = in a cave c = with a d = in the	a = in the b = then I c = large d = ocean	a = library b = went in a c = boat d = and stayed	a = with books. b = building c = to go with d = underwater.
Challenge 3	question 1	question 2	question 3	question 4	question 5	question 6
	a = I b = materials I c = Atlantis d = ran	a = I b = brought c = seafood d = away fast.	a = saw them b = brought c = seafood d = away fast.	a = my breath b = to breathe c = find d = the water.		

ATLANTIS RECORDING BROCHURE

Record your
challenge answers
along your journey.



CHALLENGE 3



	Answer	Code
1.	C	I
2.	C	fed
3.		
4.		
5.		
6.		

How did you survive the
sea monsters?

Opale Andersen

Atlantis Escape Room

Ashley Davis

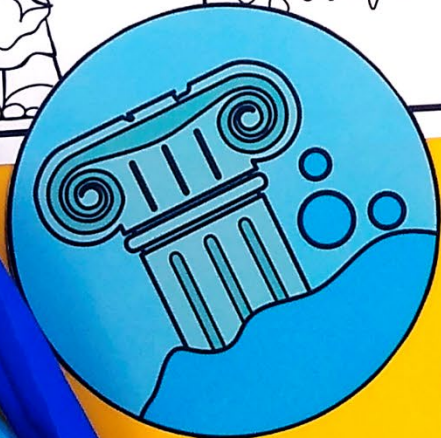
(name)

has successfully completed the challenges and
escaped Atlantis

22/05

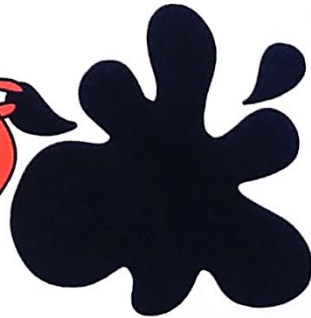
(date)

poseidon



Ooops!

You got inked by the sea monsters.



NO HELPING YOUR TEAM FOR 3
MINUTES!

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Print

- OOPS! Cards for differentiation

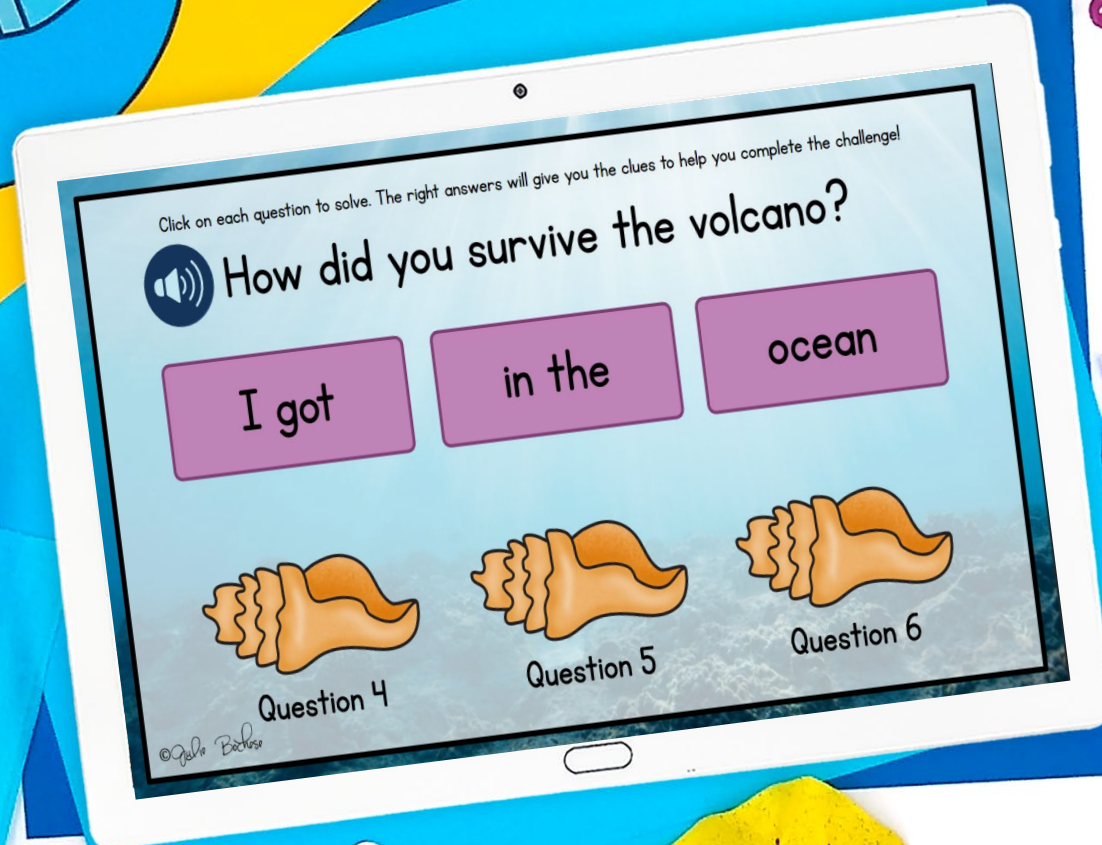
Learn more!



Webscape TM

- Most interactive experience
- Self correcting
- Embedded videos
- Embedded audio
- Animation
- Simple navigation

Learn more!



Webscape TM

- No log ins or sign ups
- Works with any device that has an internet connection and web browser
- Zero prep! Just share the link with your students.

Learn more!



Google Slides

1

Relate the problem to the equation.

Which description explains the equation? ☐

$$8 \times 3 = 24$$

- a. The 8 represents the number of adult starfish on the shore. The 3 represents how many more baby starfish are on the shore. The 24 represents the number of starfish altogether.
- b. The 8 represents the number of starfish on the shore. The 3 represents the number of adult starfish. The 24 represents the number of baby starfish on the shore.
- c. The 8 represents the number of adult starfish on the shore. The 3 represents how many times more baby starfish. The 24 represents the number of baby starfish on the shore.
- d. The 8 represents the number of baby starfish on the shore. The 3 represents how many fewer adult starfish. The 24 represents the total number of starfish on the shore.

- One problem per slide
- Students drag to circle their answers

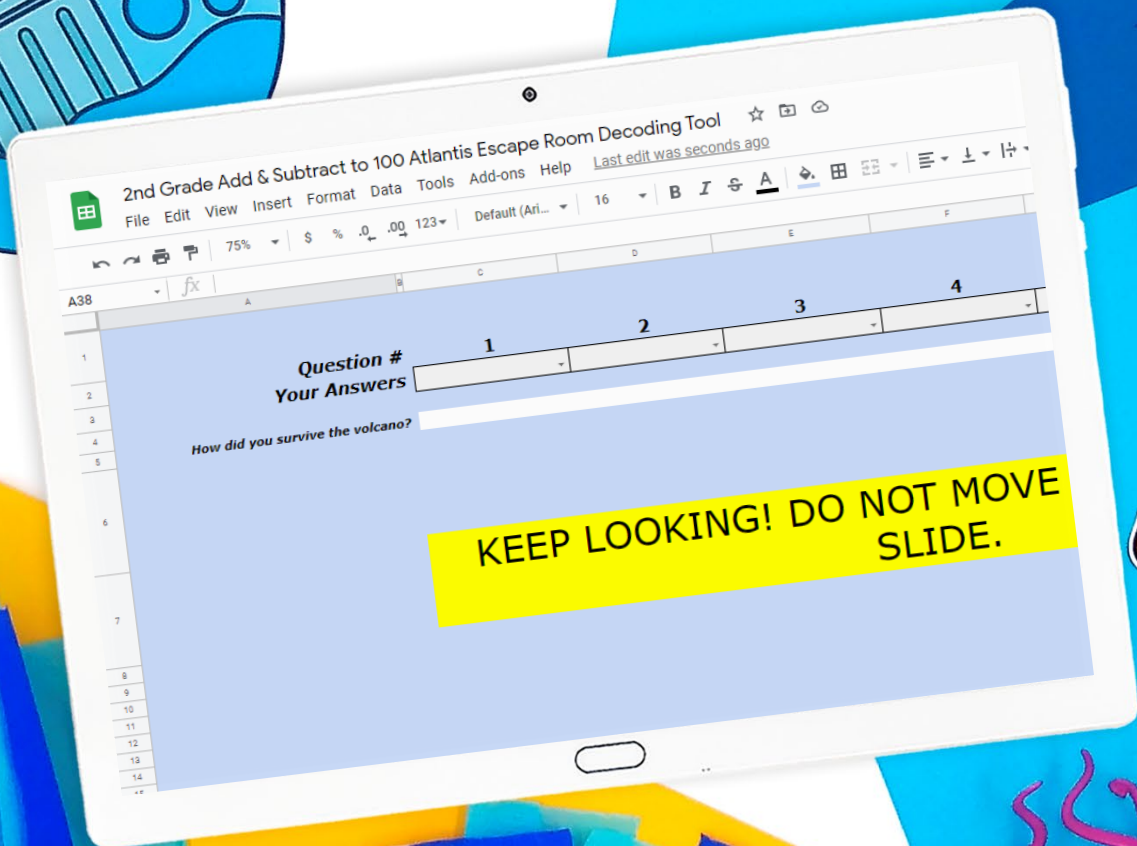
Learn more!



Google Slides

- Toggle to self-checking decoder
- Decoder will prompt at the end of each challenge whether students are correct or need to check their work.

Learn more!



Looking for More?

ESCAPE ROOM BUNDLE
Math Skills

4th Grade



The image shows a girl with brown hair and a purple bow, wearing a purple dress with white polka dots, holding a magnifying glass. She is standing next to a large tablet. The tablet screen displays a menu titled "Math Escape Rooms" with options for 2nd, 3rd, 4th, and 5th grades. The 4th grade option is highlighted. Below the menu, there is a section titled "Telling Time: Time Machine Escape Room" and another titled "ENGAGE VIDEOS TELL THE STORY". A green banner at the bottom left of the tablet says "Print and Digital".

Math Escape Rooms

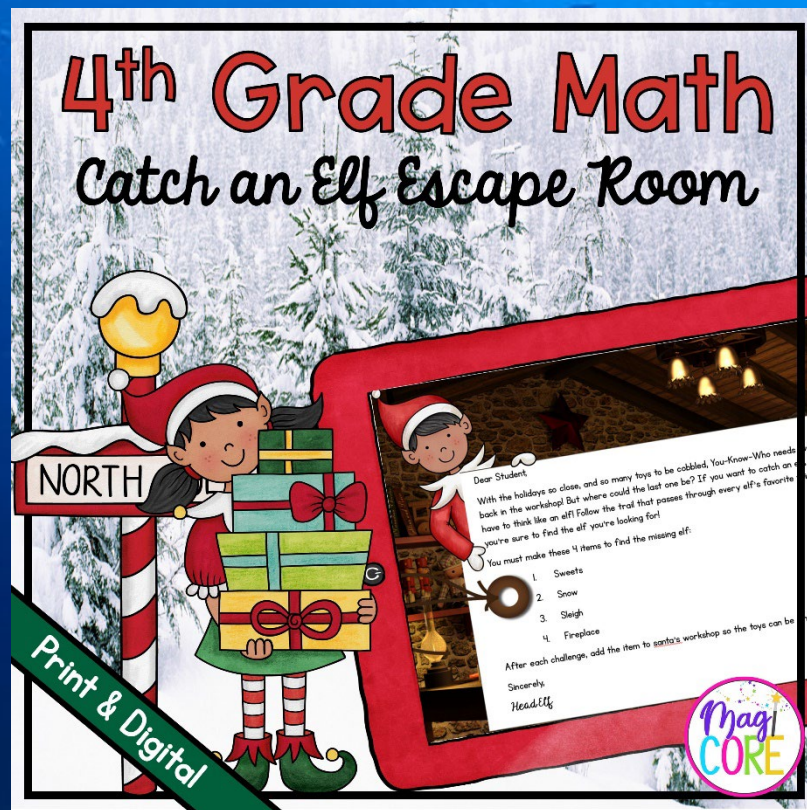
2nd Grade 3rd Grade 4th Grade 5th Grade

Telling Time: Time Machine Escape Room

ENGAGE VIDEOS TELL THE STORY

Print and Digital

4th Grade Math
Catch an Elf Escape Room



The image shows an elf with a red hat and white trim, holding a sign that says "NORTH". The elf is standing next to a large tablet. The tablet screen displays a math escape room titled "Catch an Elf Escape Room". The screen shows a list of math skills: "Math Fractions & Mixed Numbers", "Math Fractions & Mixed Numbers", "Math Fractions & Mixed Numbers", and "Math Fractions & Mixed Numbers". A green banner at the bottom left of the tablet says "Print & Digital".

4th Grade Math

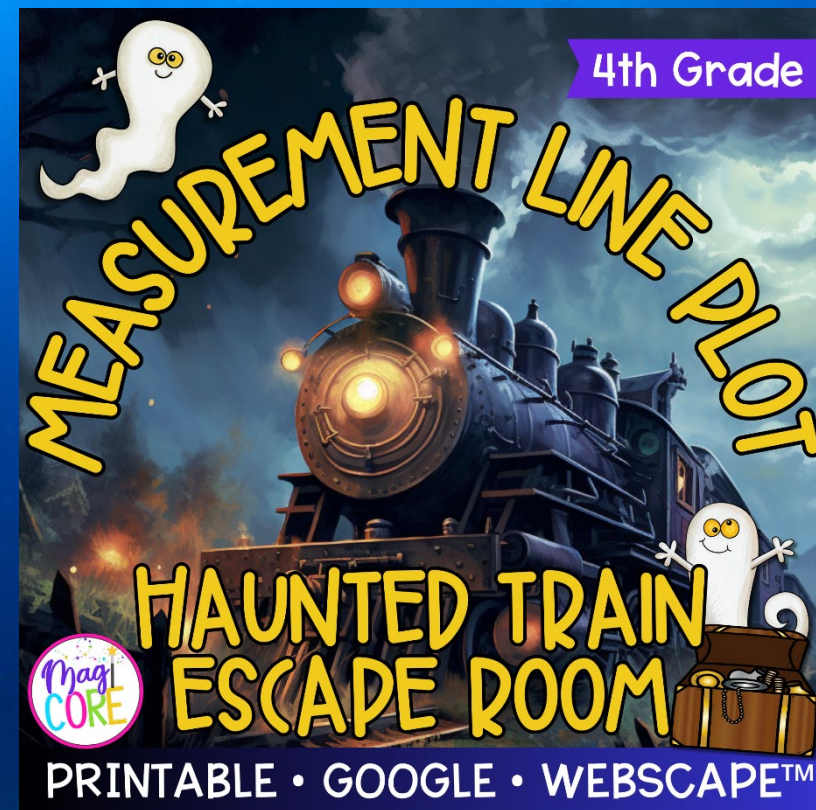
Catch an Elf Escape Room

NORTH

Print & Digital

4th Grade

MEASUREMENT LINE PLOT



The image shows a steam locomotive with its headlights on, moving through a dark, foggy landscape. A ghost is floating in the sky above the train. The text "MEASUREMENT LINE PLOT" is written in a large, yellow, curved font across the top. Below the train, the text "HAUNTED TRAIN ESCAPE ROOM" is written in a large, yellow, bold font. At the bottom, a purple banner says "PRINTABLE • GOOGLE • WEBSCAPE™".

HAUNTED TRAIN
ESCAPE ROOM

PRINTABLE • GOOGLE • WEBSCAPE™