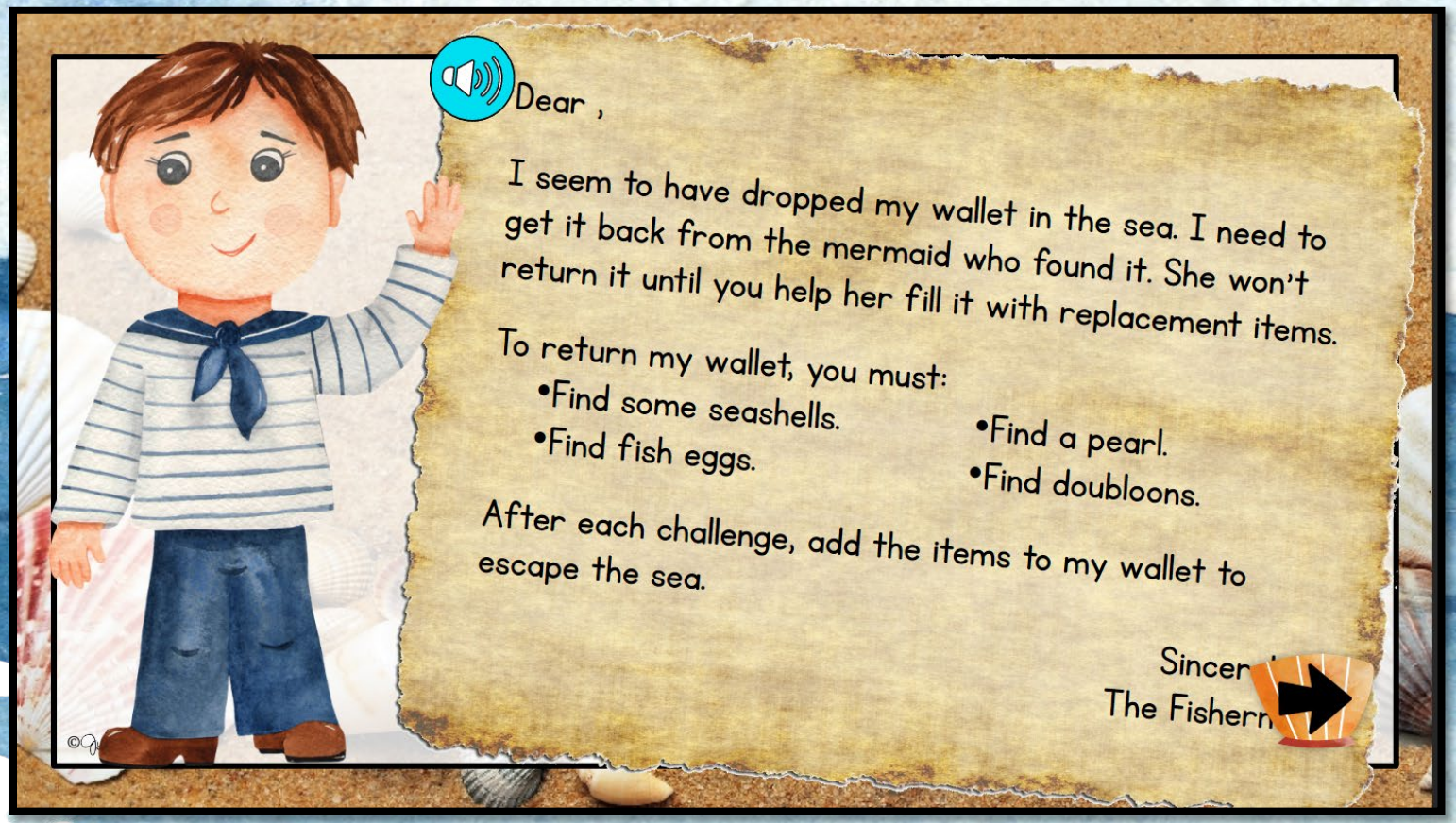
MULTIPLICATION & DIVISION

4th Grade

MERMAID TREASURE ESCAPE ROOM

Magic CORE

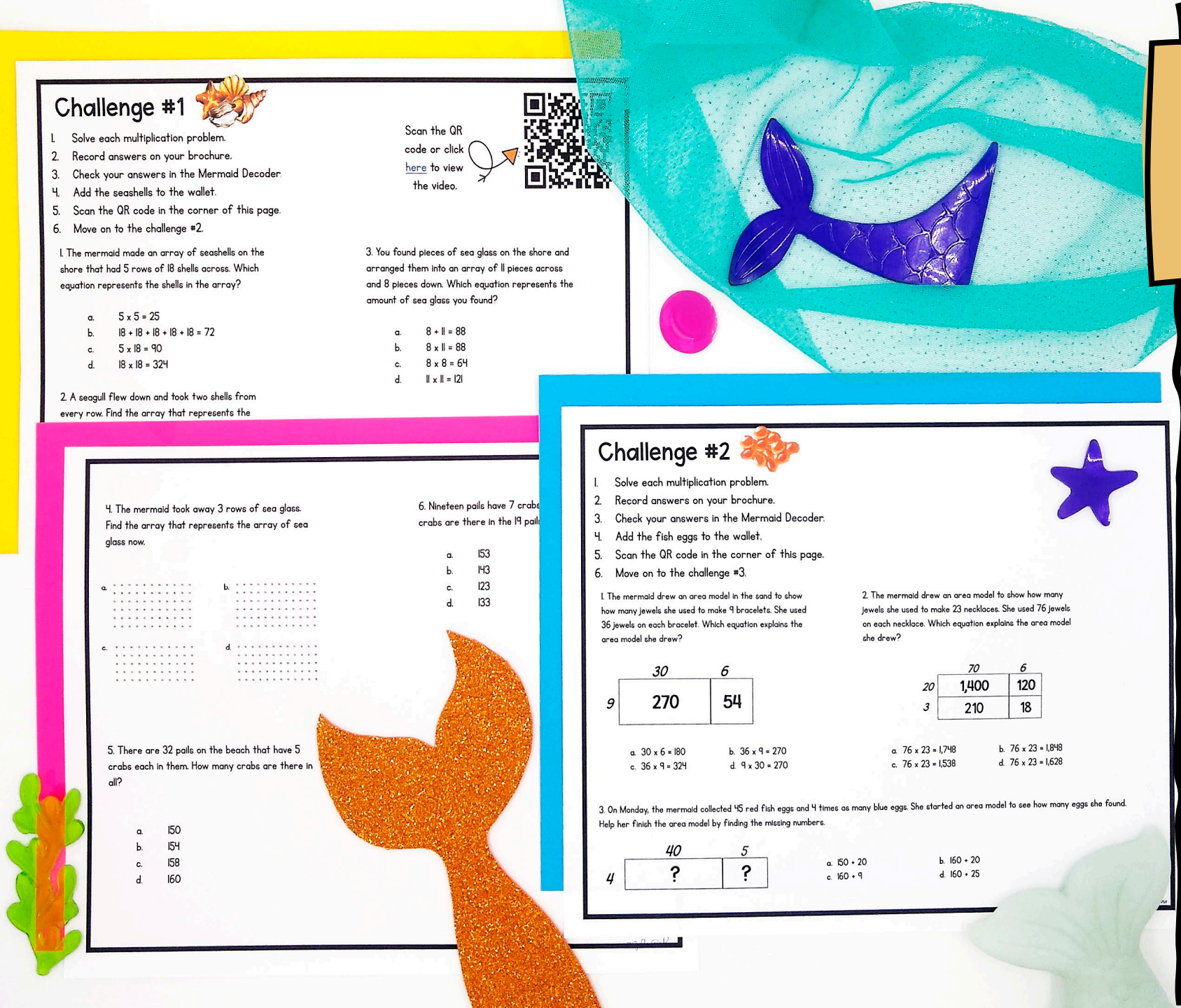
PRINTABLE • GOOGLE • WEBSCAPE™



Help the Fisherman!

Students won't realize they are practicing Multiplication & Division 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 Multiplication & Division skills
- Each challenge takes about 20-30 minutes

Learn more!

4 Mathematics Challenges

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

Learn more!

Challenge #4

1. Solve each word problem.
2. Record answers on your brochure.
3. Check your answers in the Mermaid Decoder.
4. Add the doubloons to the wallet.
5. Scan the QR code at the bottom of the next page.
6. Return the wallet and escape the seal!

1. The fisherman found 84 doubloons on 5 consecutive days. He used the strategy of doubling and halving to quickly determine how many doubloons he found in total. Find the expression he used.

   a. 42 x 10
   b. 84 x 10
   c. 42 x 5
   d. 168 x 5

2. The fisherman realized he had 1,260 doubloons in a galley drawer. He decided to pile them in groups of 10 and knew he could easily determine the number of doubloons in each pile. What was he thinking?

   a. He could subtract 126 from 1,260 ten times.
   b. He knew 126 x 10 = 1,260.
   c. He could add 126 plus 126 until he got to 1,260.
   d. He could divide 1,260 by 10 using long division.

3. The mermaid swam underwater for 270 seconds before coming up for air. She did this 20 times in a row. To find out how many seconds she was underwater, she used the doubling and halving strategy. What does her strategy look like?

   a. 20 x 270 = 5,400 seconds
   b. 40 x 270 = 10,800 seconds
   c. 135 x 20 + 135 x 20 = 5,400 seconds
   d. 540 x 10 = 5,400 seconds

n Tuesday, the mermaid collected 37 green fish eggs and 16 es as many yellow eggs. She started an area model to see w many eggs she found. Help her finish the area model by inding the missing numbers.

	30	7
10	?	?
6	?	?

a. 300 + 70 + 180 + 42
b. 3,000 + 70 + 120 + 42
c. 3,000 + 70 + 180 + 42
d. 300 + 70 + 180 + 48

5. You must write a 3-digit by 1 digit multiplication problem using the digits 8, 2, 5, and 6. The product must be between 3,100 and 3,500. Which numbers work?

   a. 852 x 6 = n
   b. 265 x 8 = n
   c. 586 x 2 = n

6. You must write a 4-digit by 1 digit multiplication equation using the digits 1, 3, 7, 8 and 9. The product must be between 5,900 and 7,900. Which numbers work?

   a. 1,379 x 8 = n
   b. 3,981 x 7 = n
   c. 1,987 x 3 = n
   d. 8,739 x 1 = n

Challenge #3

1. Solve each word problem.
2. Record answers on your brochure.
3. Check your answers in the Mermaid Decoder.
4. Add the pearls to the wallet.
5. Scan the QR code in the corner of this page.
6. Move on to the challenge #4.

Scan the QR code or click here to view the video.

1. The mermaid has a treasure chest that she fills with pearls. She put 94 pearls in each day of this week. How many pearls did she put in the treasure chest this week? Find the equation that shows the answer.

   a. 94 x 5 = 470
   b. 94 x 7 = 658
   c. 94 x 8 = 752
   d. 94 x 1 = 94

2. The mermaid gave away 390 pearls to her 6 friends. She divided them evenly. How many pearls did each friend get?

   a. 50
   b. 55
   c. 65
   d. 75

3. A seal went swimming to catch shrimp for her 7 babies. She caught 88 shrimp. How many whole shrimp can each baby seal eat?

   a. 9
   b. 10
   c. 11
   d. 12

4. The shark found 4,380 fish eggs and shared them with her 5 babies. How many fish eggs did each baby shark get?

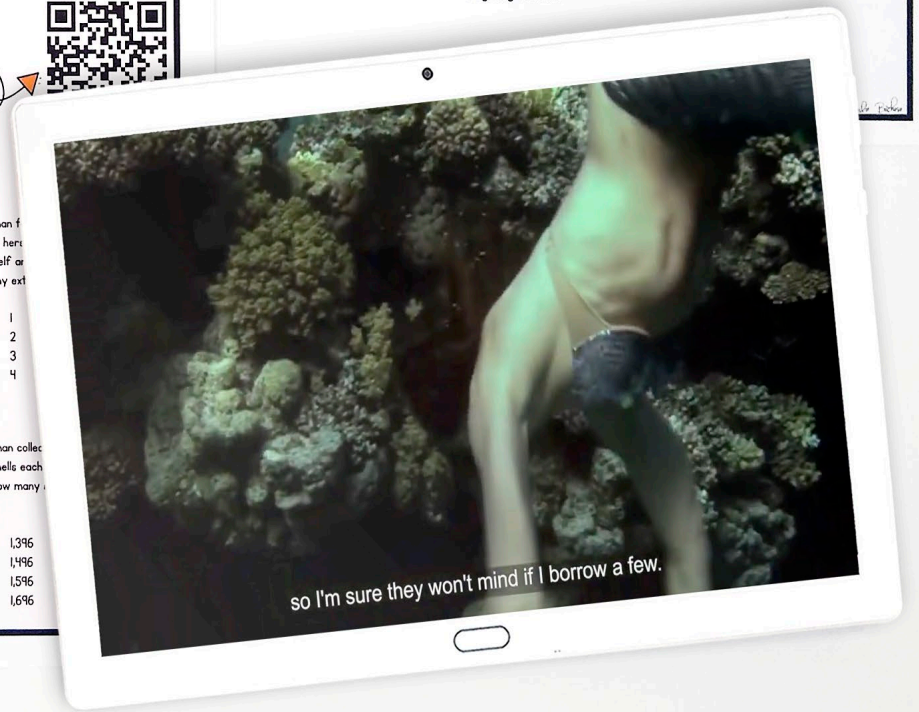
   a. 876
   b. 877
   c. 786
   d. 878

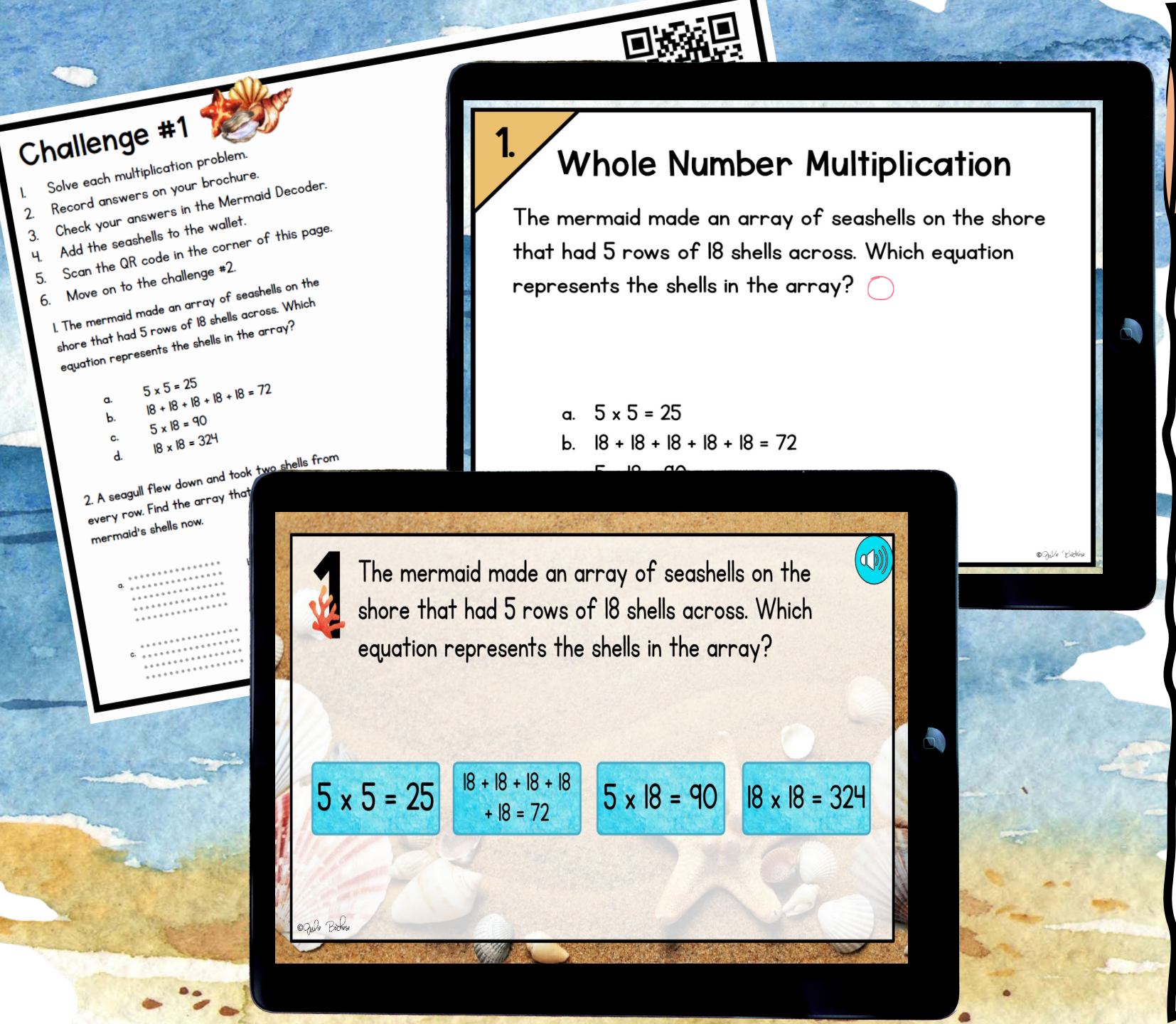
5. The fisherman f
them between her
She gave herself a
each. How many ext

   a. 1
   b. 2
   c. 3
   d. 4

6. The fisherman collec
collected 28 shells each
and August. How many
collect in all?

   a. 1,396
   b. 1,496
   c. 1,596
   d. 1,696





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

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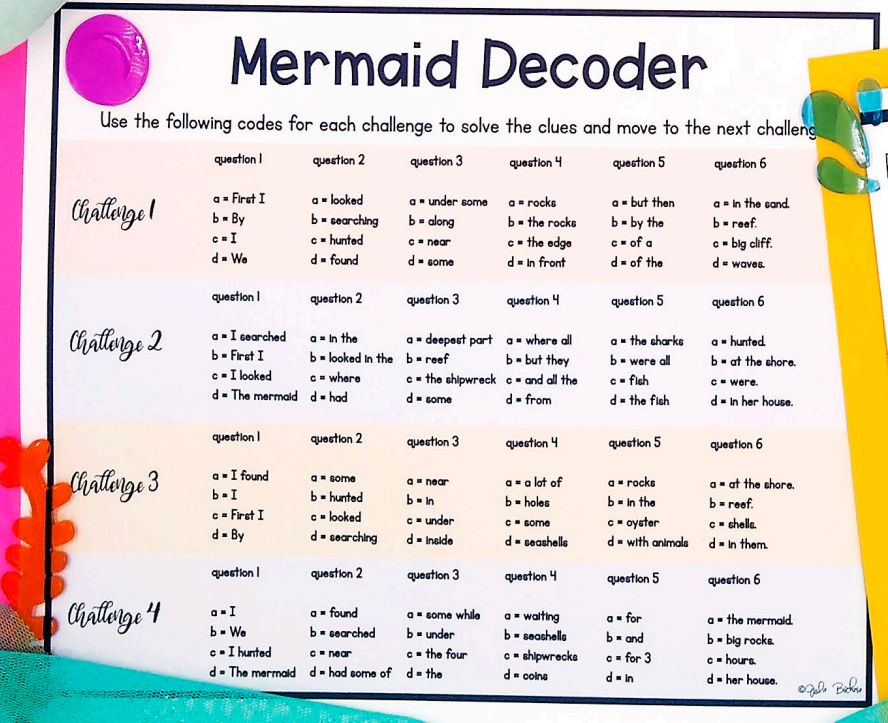
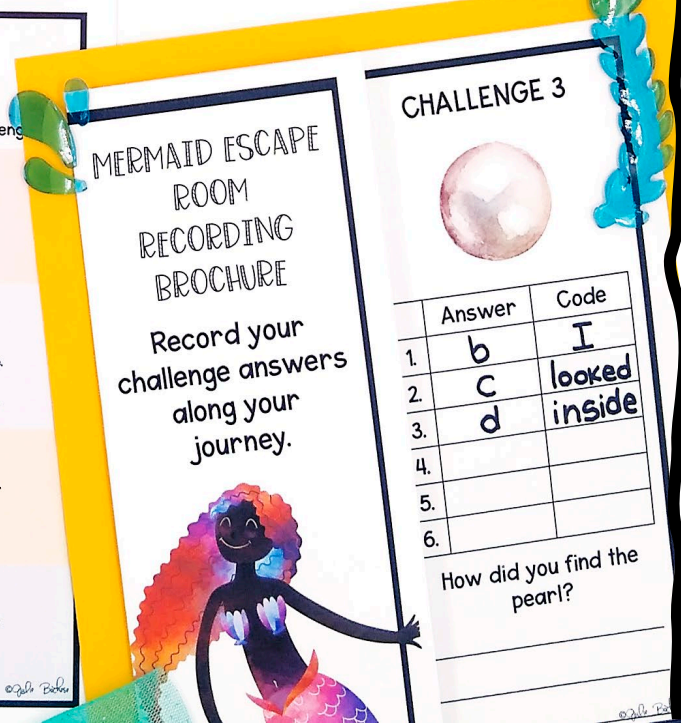




Print

- 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

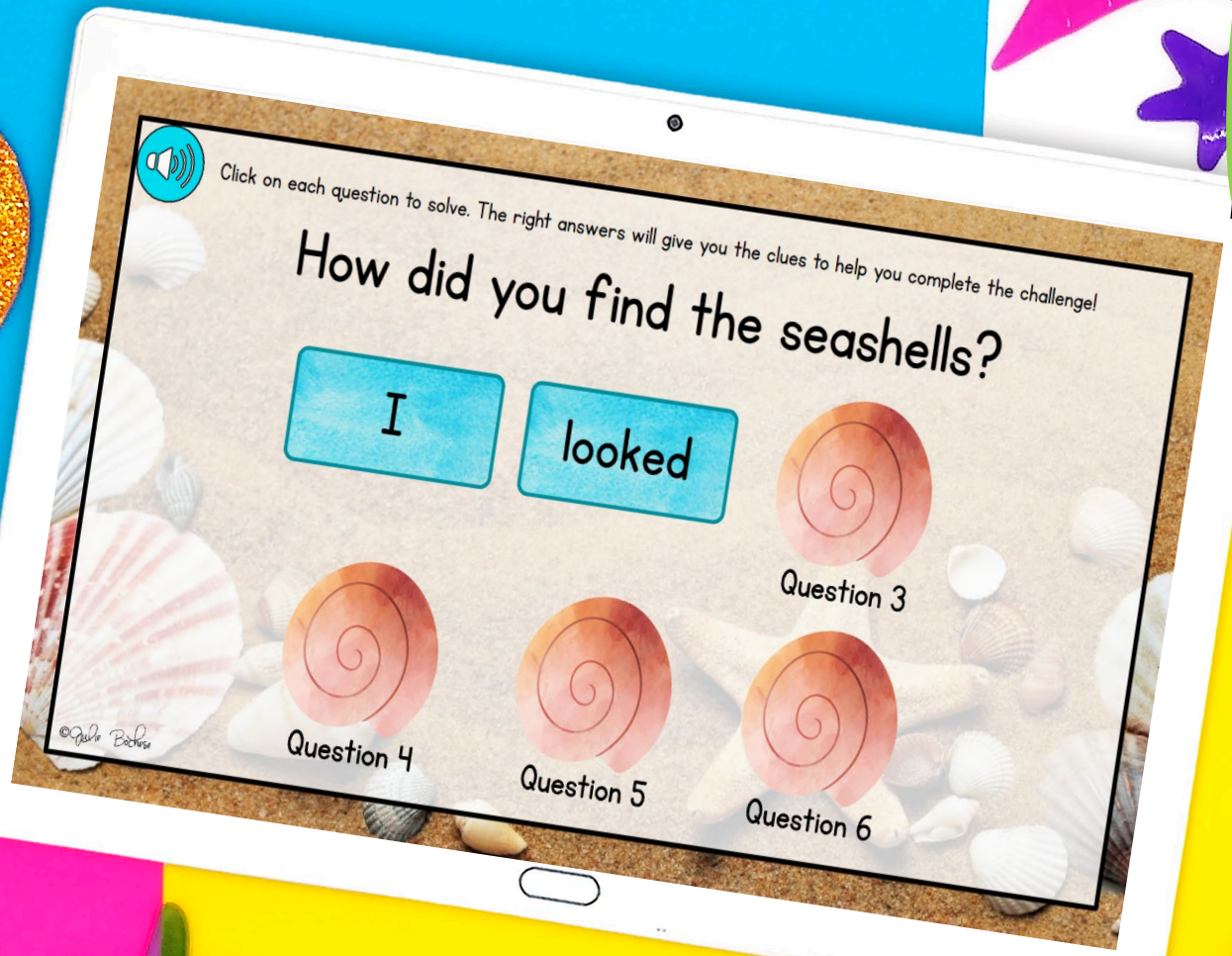
Learn more!

Print

- OOPS! Cards for differentiation

Learn more!

Webscape ™



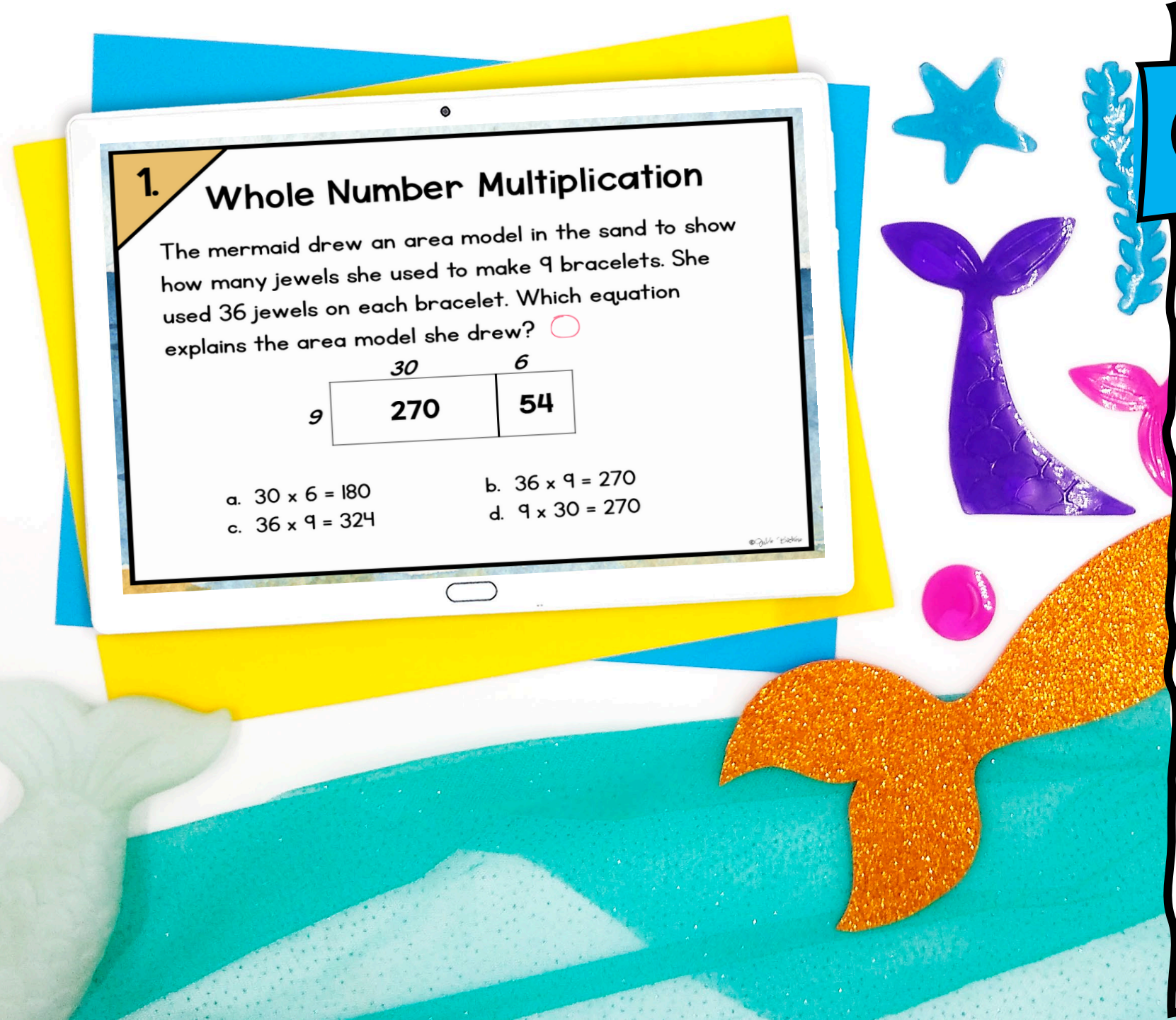
- Most interactive experience
- Self correcting
- Embedded videos
- Embedded audio
- Animation
- Simple navigation

Learn more!

Webscape ™

- 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!

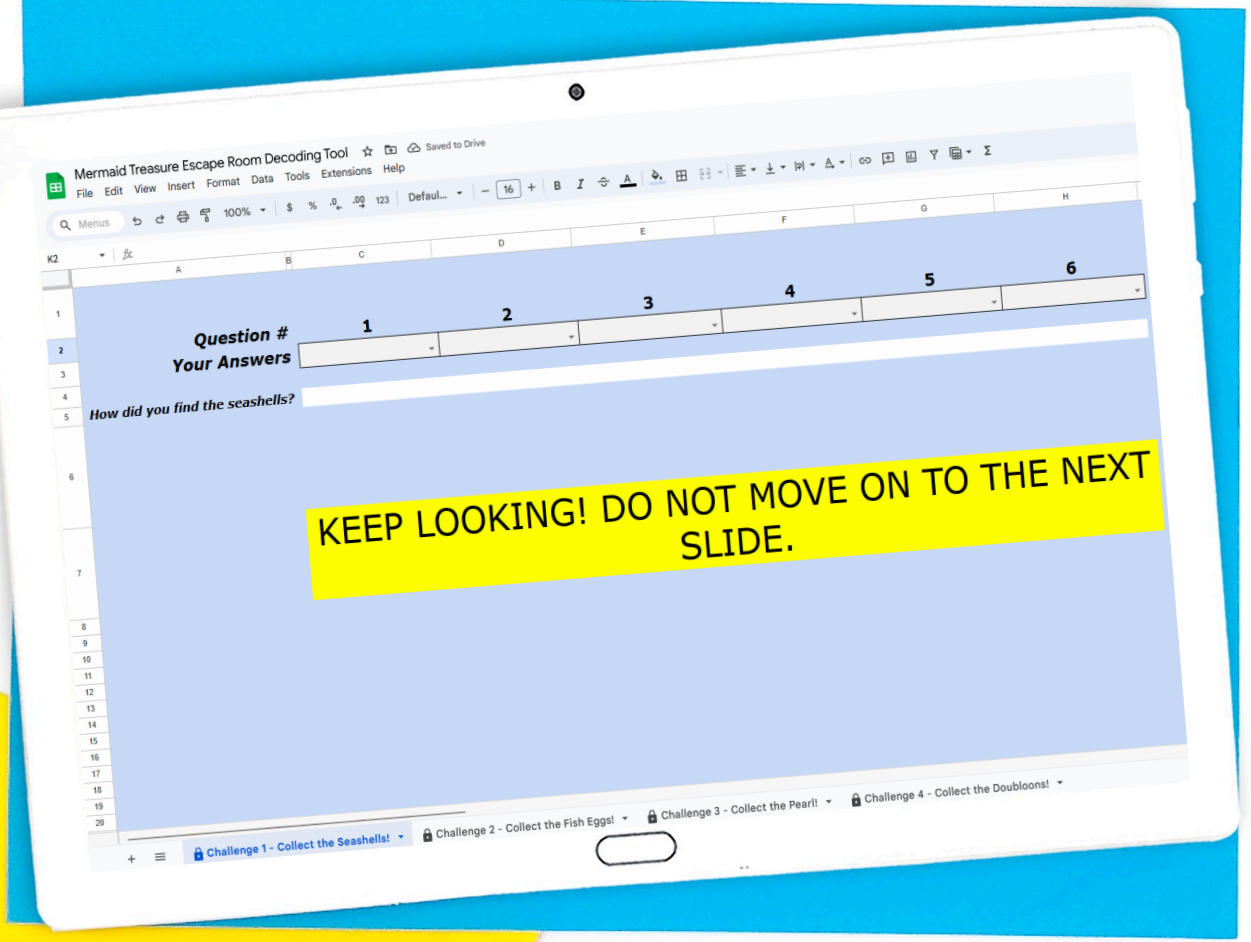


Google Slides

- 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?