

3rd Grade

WORD PROBLEMS

SHERLOCK HOLMES  
ESCAPE ROOM



PRINTABLE • GOOGLE • WEBSCAPE™





Dear Watson,

I've been assigned the Case of the Missing Stamp Collector. His home was found empty last Tuesday night. I need your help.

You must solve the clues in the stamp collector's house to find out where he has been taken.

- Find the crooked picture frame.
- Find the mop used to clean up the scene.
- Find the key to the hidden door.
- Unlock the door to find a letter from the rival stamp collector.

After each challenge, add the clue to your library to solve the case.

Sincerely,

*Sherlock Holmes*

# Help Sherlock Holmes!

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

Learn more!





# 4 Mathematics Challenges

## Challenge #1



1. Solve each multiplication word problem.
2. Record answers on your brochure.
3. Check your answers in the Detective Decoder.
4. Add the frame to your library.
5. Scan the QR code in the corner of the next page.
6. Move on to the challenge #2.

1. The stamp collector goes to the craft store and buys 3 hooks to hang paintings for \$24 each. How much money did he spend at the craft store?

Show your Work

- a. \$52
- b. \$72
- c. \$73
- d. \$74

2. The stamp collector has 12 paintings in each of his 3 bedrooms in his house. How many paintings does he have in his house?

Show your Work

- a. 36 paintings
- b. 35 paintings
- c. 26 paintings
- d. 38 paintings

3. You and Sherlock Holmes spend 26 minutes finding each of the four items in the stamp collector's house. How many minutes did it take you solve the case?

Show your Work

- a. 106 minutes
- b. 124 minutes
- c. 112 minutes
- d. 104 minutes

4. The stamp collector had 3 candelabras in his living room. Each candelabra held 3 candles. How many candles were in his living room?

Show your Work

- a. 12 candles
- b. 10 candles
- c. 9 candles
- d. 6 candles

5. The stamp collector has 3 paintings in the hallway, including the crooked picture frame. If each painting weighs 16 pounds. How heavy are all three paintings together?

Show your Work

- a. 51 pounds
- b. 48 pounds
- c. 42 pounds
- d. 38 pounds

6. Sherlock Holmes solved 14 cases each month last year. Since there are 12 months in a year, how many cases did he solve in all twelve months together?

Show your Work

- a. 175 cases
- b. 157 cases
- c. 138 cases
- d. 168 cases

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



## Challenge #2



1. Solve each division word problem.
2. Record answers on your brochure.
3. Check your answers in the Detective Decoder.
4. Add the map to your library.
5. Scan the QR code in the corner of the next page.
6. Move on to the challenge #3.

1. The stamp collector spent \$99 on 3 paintings. If each painting cost the same amount, how much did he spend on each painting?

Show your Work

- a. \$41
- b. \$36
- c. \$33
- d. \$43

2. Sherlock Holmes dusted for fingerprints. He found 195 fingerprints on the coffee table, bookcase and door handle all together. How many fingerprints did he find on each item if they all had the same number of fingerprints?

Show your Work

- a. 65 fingerprints
- b. 64 fingerprints
- c. 55 fingerprints
- d. 74 fingerprints

3. The stamp collector has 96 rare international stamps in an album with 8 pages. How many stamps are on each page if each page has an equal number of stamps?

Show your Work

- a. 452 stamps
- b. 442 stamps
- c. 432 stamps
- d. 422 stamps

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 #3



1. Solve each multi-step word problem.
2. Record answers on your brochure.
3. Check your answers in the Defective Decoder.
4. Add the key to your library.
5. Scan the QR code in the corner of the next page.
6. Move on to the challenge #4.

1. The stamp collector bought 3 packs of stamps with 23 stamps in each and 5 packs of stamps with 34 stamps in each. How many stamps did he buy altogether?
2. The stamp collector has 15 paintings in his living room, 3 paintings in the hallway, and 7 in the kitchen. If Sherlock Holmes looked at 18 paintings before he found the crooked picture frame, how many paintings did he not look at?
3. The art museum had a collection of 800 of paintings. They auctioned an equal number of paintings to 3 people, including the stamp collector. Now they have 542. How many paintings did each person buy?

Show your Work

Show your Work

Show your Work

- a. 170 stamps  
b. 234 stamps  
c. 250 stamps  
d. 221 stamps

- a. 5 paintings  
b. 12 paintings

- a. 58 paintings  
b. 82 paintings  
c. 86 paintings

## Challenge #4



1. Solve each measurement word problem.
2. Record answers on your brochure.
3. Check your answers in the Defective Decoder.
4. Add the letter to your library.
5. Scan the QR code in the corner of the next page.
6. Collect the letter and solve the case!

1. The bookcase is 7 feet tall and 4 feet wide. What is the perimeter of the bookcase?
2. The stamp collector got some new stamp albums. Each album is 4 inches wide. If he stacks the albums on top of each other and they are 16 inches tall, how many albums does he have?
3. The rival stamp collector tried to clean up all his footprints. He used 12 gallons of water in each of the 3 bedrooms. He also cleaned the living room. If he used 48 gallons of water total, how many gallons did he use in the living room?

Show your Work

Show your Work

Show your Work

- a. 28 feet  
b. 24 feet  
c. 22 feet  
d. 20 feet

- a. 6 albums  
b. 4 albums  
c. 8 albums  
d. 3 albums

- a. 12 gallons  
b. 13 gallons  
c. 14 gallons  
d. 15 gallons

4. Sherlock Holmes slipped in the mop water and knocked over 225 stamps from a box and an album with 14 pages with 10 stamps on each page. How many stamps did he knock over in all?
5. The police told Sherlock Holmes that the stamp collector made \$86 selling stamps each of the last 4 weeks. Holmes finds \$567 in an envelope labeled "stamps" in his house. How much money did he have before he sold those stamps last month?
6. Sherlock Holmes noticed the bookcase had lots of upside-down books on it. Three shelves had 13 upside down books on them. If there were 87 books on the 3 shelves, how many books were right-side up?

Show your Work

Show your Work

Show your Work

- a. 365 stamps  
b. 475 stamps  
c. 383 stamps  
d. 456 stamps

- a. \$223  
b. \$324  
c. \$425  
d. \$526

- a. 38 books  
b. 48 books  
c. 27 books  
d. 53 books

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





# 3 Versions

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

Learn more!



## Challenge #1

1. Solve each multiplication word problem.
2. Record answers on your brochure.
3. Check your answers in the Detective Decoder.
4. Add the frame to your library.
5. Scan the QR code in the corner of the next page.
6. Move on to the challenge #2.



The stamp collector goes to the craft store and buys 3 hooks to hang paintings for \$24 each. How much money did he spend at the craft store?

Show your Work

- a. \$52
- b. \$72
- c. \$73
- d. \$63

2. The stamp collector has 3 bedrooms in each of his 3 bedrooms. How many paintings does he have in his house?

Show your Work

## 1. Solve the Word Problem

The stamp collector goes to the craft store and buys 3 hooks to hang paintings for \$24 each. How much money did he spend at the craft store?

Show your Work

The answer is:

- a. \$52
- b. \$72

- ☐ Circle the #s
- ☐ Underline the question
- ☐ Box the words that are important
- ☐ Eliminate info you do not need.
- ☐ Solve by showing your work.



The stamp collector goes to the craft store and buys 3 hooks to hang paintings for \$24 each. How much money did he spend at the craft store?

\$52

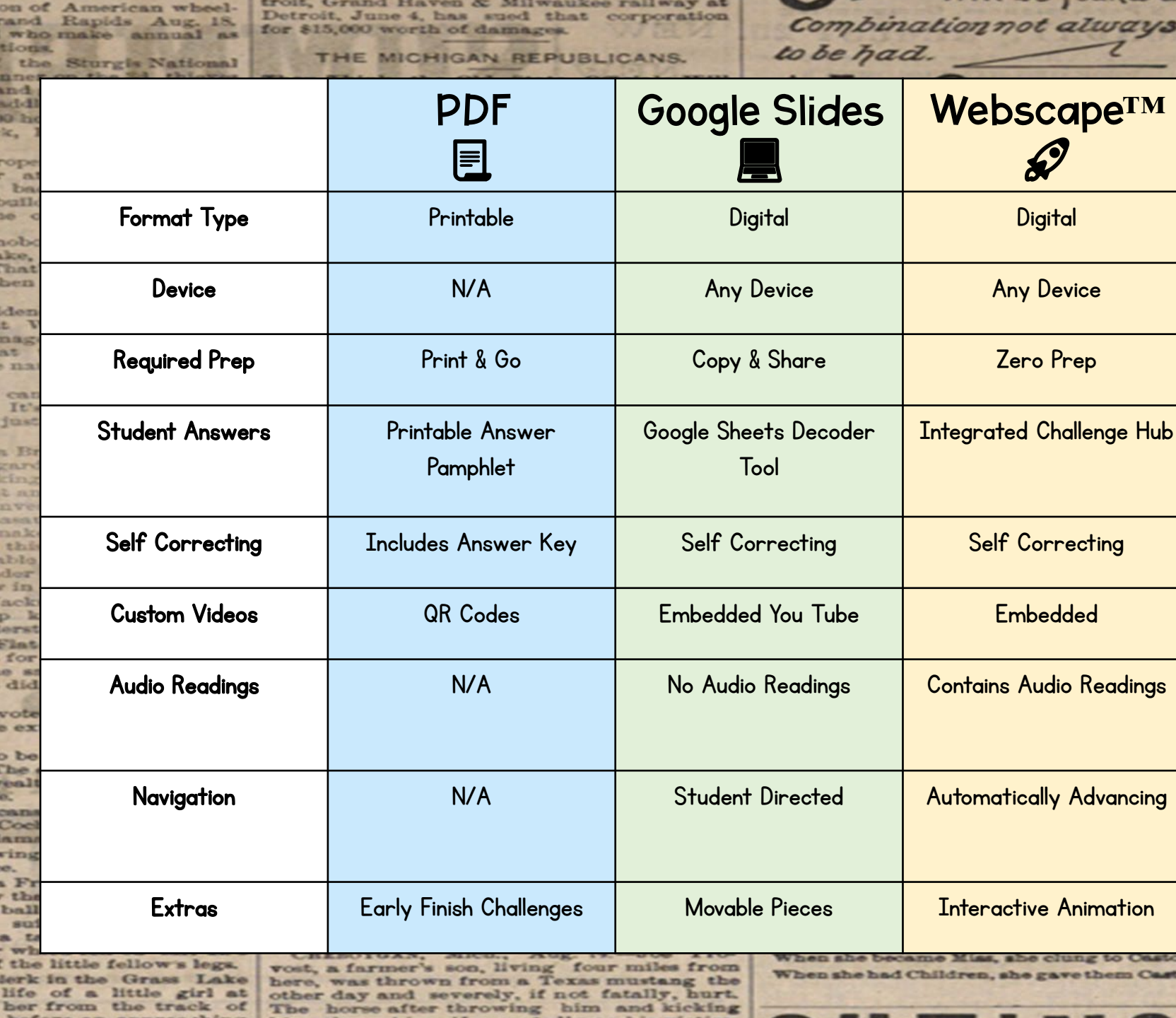
\$72




\$73

\$63



Hover for problem-solving steps



	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)

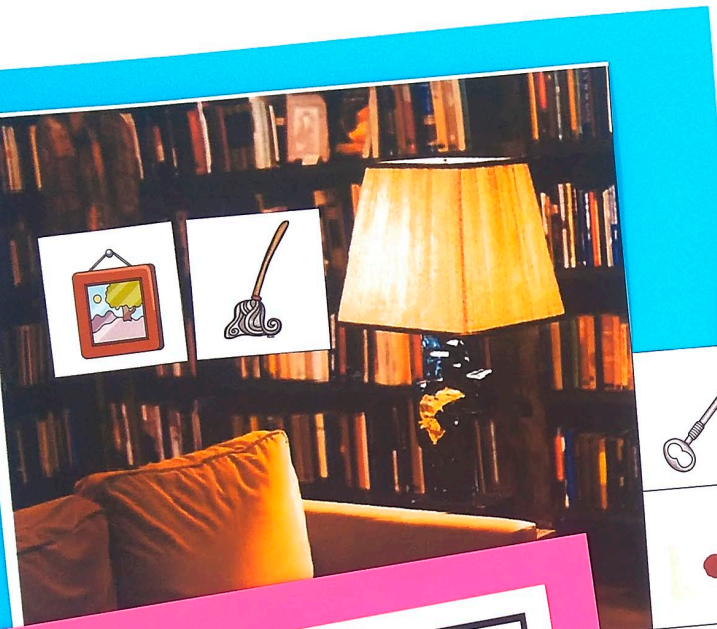
Learn more!



# 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!



## Detective 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 = Near b = In c = On d = Close to	a = the b = a c = an d = a	a = closet b = bathroom c = hallway d = kitchen	a = in the b = under the c = on the d = next to the	a = left b = right c = wooden d = big	a = table b = cabinet c = corner d = side

**Challenge 2**

question 1	question 2	question 3	question 4	question 5	question 6
a = On b = Under c = In d = Inside	a = the b = a c = an d = a	a = coffee b = bathroom c = office d = library	a = table b = cabinet c = bookcase d = next	a = by the b = to the c = under a d = to a	a = bathtub b = right c = candle d = stamp

**Challenge 3**

question 1	question 2	question 3	question 4	question 5	question 6
a = On b = In c = Near d = Under	a = a b = an c = the d = a	a = bookcase b = envelope c = fireplace d = candle	a = under b = on top c = to the right d = to the left	a = the b = of a c = of the d = to the	a = album b = of the c = of the d = to the

### DETECTIVE RECORDING BROCHURE

Record your challenge answers along your journey.

**CHALLENGE 3**

	Answer	Code
1.	b	In
2.	c	the
3.		
4.		
5.		
6.		

Where is the key?





Top Secret

## The Case of the Missing Stamp Collector

Harper Wilson  
(name)



has successfully completed the challenges and solved the Case of the Missing Stamp Collector.

7/02

(Date)

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



Sherlock Holmes



## Ooops!

You slipped in the mop water and bumped your head.



YOU MUST STAY QUIET FOR 5 MINUTES. NO SPEAKING!

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# Print

- OOPS! Cards for differentiation

Learn more!





# Webscape™

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

Learn more!





# Webscape <sup>TM</sup>

- 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!



**1. Solve the Measurement Problem**

The bookcase is 7 feet tall and 4 feet wide. What is the perimeter of the bookcase?

Show your Work

The answer is:

- a. 28 feet
- b. 24 feet
- c. 22 feet
- d. 20 feet

☐ Circle the #'s

☐ Underline the question

☐ Box the words that are important

☐ Eliminate info you do not need.

☐ Solve by showing your work.

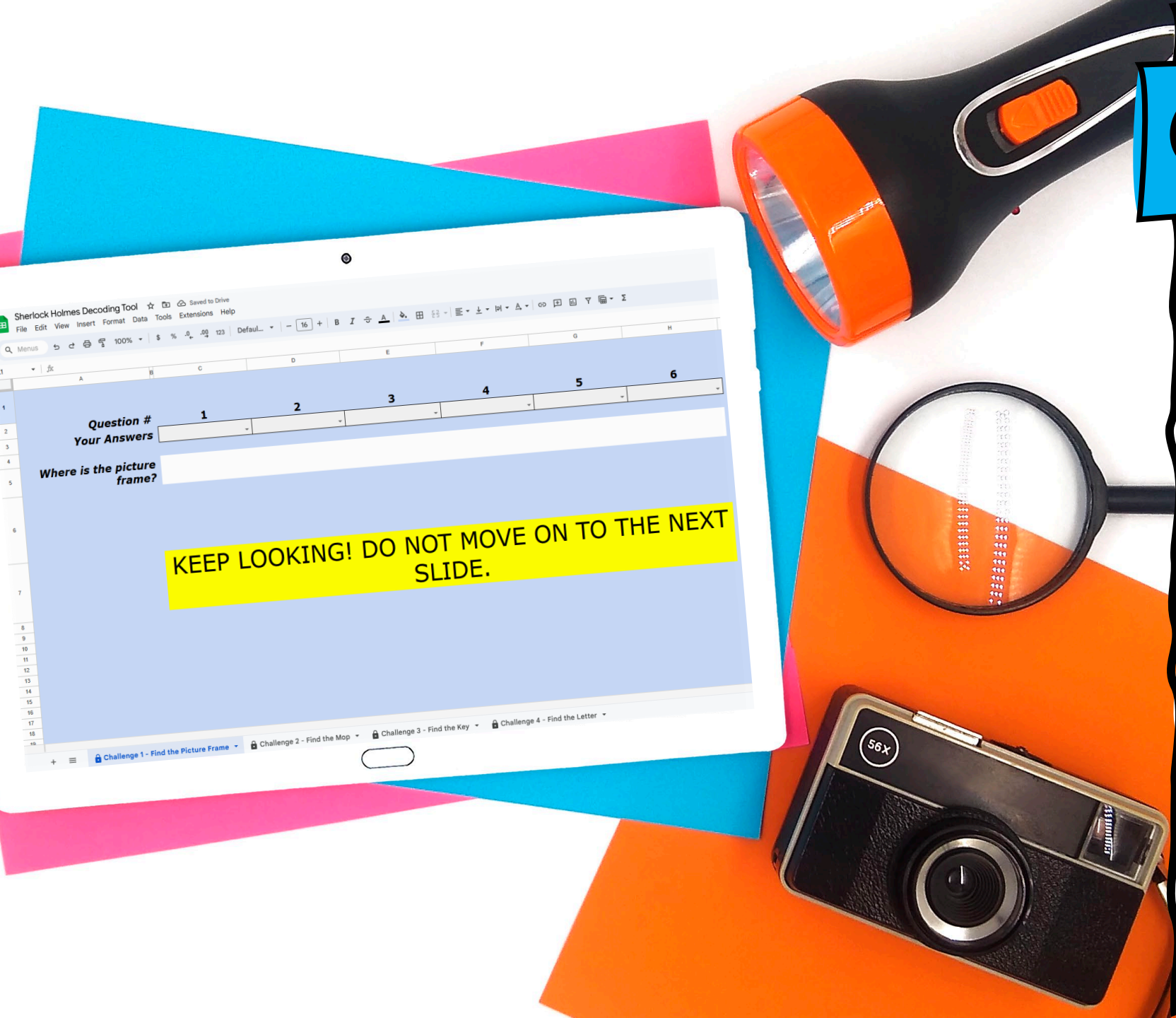
*Hand-drawn annotations on the slide: A green line underlines the question. A blue box highlights 'The bookcase is 7 feet tall and 4 feet wide.' A red circle highlights the number '4' in the question. A red circle highlights the number '24' in the answer choices. Purple checkmarks are drawn next to the instructions 'Solve by showing your work.' and 'Eliminate info you do not need.'*



# 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

3rd Grade



Math Escape Rooms

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

Telling Time: Time Machine Escape Room


ENGAGE VIDEO TELLS THE STORY

Print and Digital

## MATH: Categorize Shapes

Catch the Bandit Escape Room

3rd Grade



Dear Student,

You're having a great time visiting the big city! But while you're out seeing the sites, petty crime caught up with you. A bandit stole some money out of your backpack.

You must follow the bandit to catch him and get your money back.

1. Go to the waterfront.
2. Go to Chinatown.
3. Go to the park.
4. Go to Downtown.

After each challenge, add the pin to your map to catch the bandit.


Sincerely,  
Friendly Neighborhood Crime Watchers

Print and Digital

MagiCORE

## HALLOWEEN MATH Escape Room

3rd GRADE



Place Value

Mrs. P... gave out different types of candy to the trick-or-treaters. The table shows how many of each type of candy she gave out.

Candy Type	Chocolates	Lollipops	Gummies	Candy Corn
Amount	245	334	286	422

When rounded to the nearest hundred, which two candy types did she give out the same amount of?

- a. Chocolates & gummies
- b. Chocolates & candy corn
- c. Lollipops & gummies
- d. Lollipops & candy corn

Print and Digital

MagiCORE