

Dear Student,

Where did the valentines go? On February 14th, when the kids in Ms. Heart's class came back from lunch, they found empty boxes where their handcrafted cards had been stuffed.

As an amateur sleuth, will you rule out the suspects, one by one, to solve the Valentine's Day Mystery?

Suspects to investigate:

I. Hall monitor

2. Prankster

- 3. Influencers
- 4. Quiet kid

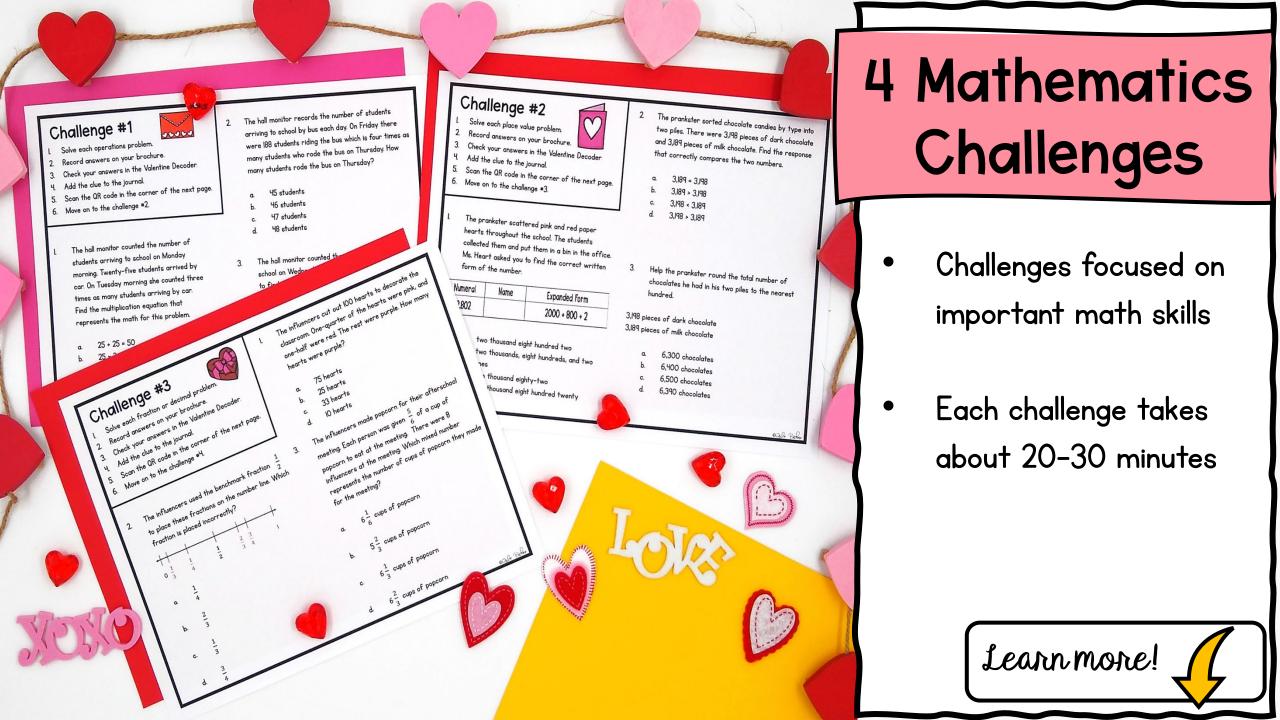
After each challenge, add the clue to your investigating journal!

Sincerely, Ms. Heart's Class

Solve the Valentine's Day Mystery! Students won't realize they are practicing important math skills! They will be immersed in the storytelling and our original videos as they complete math challenges.

Ogela Ba





The school collected pennies and dimes to purchase socks the sock the homeless shelter on Valentine's Day. On Monday, you brought 8 dimes and 4 pennies. Find the statement that is not true about the value of the money you brought on Monday.

a. The value of your dimes is $\frac{80}{100}$ b. The value of your pennies is $\frac{4}{100}$ c. The value of your pennies is $\frac{4}{10}$ d. The total value of the money you brought is $\frac{84}{100}$

Ms. Hearts' students counted the dimes and pennies collected for the homeless chelter on Thursday and Foldey Theorem



- Record answers on your brochure.
- 3. Check your answers in the Valentine Decoder
- 4. Add the clue to the journal
- Scan the QR code in the corner of the next page
 Move on to the challenge #4.
- The quiet kid used an area model to multiply and check his answer to question L He got the wrong answer. What mistake did he make?

200	70	3	
2,000	700	30	2,000 + 700 + 30 50 2,703
1,000	350	15	1,000 + 350 + 15 so + 1365
			4.068

a. He multiplied 10 x 200 incorrectly.

added.

- He wrote 2,703 instead of 2,730 before he added.
 He added 2,703 and 1,365 incorrectly.
- d. He wrote 1.365 instead of 1.375 before he
 - d

One pair of socks cost \$1.75. Where will the number fall on the number line? \$100 \$200 a. It is located three-fourths of the way between \$1.00

and \$200. b. It is located halfway between \$100 and \$200. c. It is located one-quarter of the way between \$100 and \$200.

d. It would not be located on

The quiet kid brought 8 packages of silver wrapped chocolates and 7 packages of red wrapped chocolates share at school. Each package had 273 candles in it. Fin he multiplied to find the number of each color of wrap chocolates. Then, he added the two numbers together find the sum. Find the correct answer.

2,186 silver + 1,911 red = 4,097 2,184 silver + 1,901 red = 4,085 2,184 silver + 1,911 red = 4,095

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- 2,186 silver + 1,901 red = 4,087
- Ms. Heart shared a math project using Conversation Hearts. The bar graph shows data from all the heart candles counted from your class. Find the statement that is not true.

		Co	nversa	tion He	art Can	dies so	rted by	color			
Prik											
Arpe						3					
Green											
relew											
()	0	20	30	40	50	60	70	80	90	10
	Th	e to	tal nu	mber	of ca	ndv h	earts	Is 29	D.		

- There are 20 more yellow candy hearts than pink candy hearts.
- There are 25 less green hearts than yellow candy hearts.
- There are 40 less purple candy hearts than green candy hearts.

- The prankster placed 100 red one-inch cubes side by side across the back hallway. The cubes fit exactly from one side of the hallway to the other. How many feet wide is the hallway?
- a. 8 feet 4 inches b. 8 feet 3 inches c. 8 feet 6 inches d. 8 feet
- Mr. White made fruit punch to share with his students on Valentine's Day. He filled four 2-liter bottles to bring the punch to school. How many milliliters of punch did Mr. White bring to school?
 - a. 800 milliliters b. 8000 milliliters c. 4000 milliliters d. 400 milliliters



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d.

Ms. Heart sorted the cards your class made by their

she displayed the measurements on a line plot. Read the

inches 2 25 3 35 4 45 5 55 6

a. The difference in size between the largest and smallest car

There were 29 Valentine's Day cards made by your class.

There are four sizes that have the same number of cards

The greatest number of cards made is the 5-inch card.

Scan the QR

code or click

here to view

the video.

Valentine's Day Cards sorted by size.

XXXXXX

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help you find the statement that is not true

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is 45 inches

made



4 Mathematics Challenges

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



The Challenge #1 Solve each operations problem. 2. Record answers on your brochure. Check your answers in the Valentine Decoder. Scan the QR code in the corner of the next page. Move on to the challenge #2. The hall monitor counted the number of students arriving to school on Monday 3. morning. Twenty-five students arrived by car. On Tuesday morning she counted three times as many students arriving by car. Find the multiplication equation that

25 × 3 = 75

2 × 25 = 50

a

3.

5.

6.

represents the math for this problem. b. 25 x 3 = 75 25 + 25 = 50 25 + 25 + 25 = 25 X 3 = 75 2 X 25 = 50 25 + 25 = 50

Solve the multiplicative comparison problem.

The hall monitor counted the number of students arriving to school on Monday morning. Twenty-five students arrived by car. On Tuesday morning she counted three times as many students arriving by car. Find the multiplication equation that represents the math for this problem.

25 + 25 + 25 = 75

a. 25 + 25 = 50

number of students

Solve the multiplicative comparison problem.

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3 Versions

- Print
- Google Slides
- WebscapeTM (Our most popular experience)



		PDF	Google Slides	Webscape™ €	3 Ve
	Format Type	Printable	Digital	Digital	
	Device	N/A	Any Device	Any Device	
	Required Prep	Print & Go	Copy & Share	Zero Prep	• Print
	Student Answers	Printable Answer Pamphlet	Google Sheets Decoder Tool	Integrated Challenge Hub	• Google S
×	Self Correcting	Includes Answer Key	Self Correcting	Self Correcting	• Websca
	Custom Videos	QR Codes	Embedded You Tube	Embedded	popular
5	Audio Readings	N/A	No Audio Readings	Contains Audio Readings	
	Navigation	N/A	Student Directed	Automatically Advancing	
1	Extras	Early Finish Challenges	Movable Pieces	Interactive Animation	Le
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- Slides
- ape TM (Our most r experience)





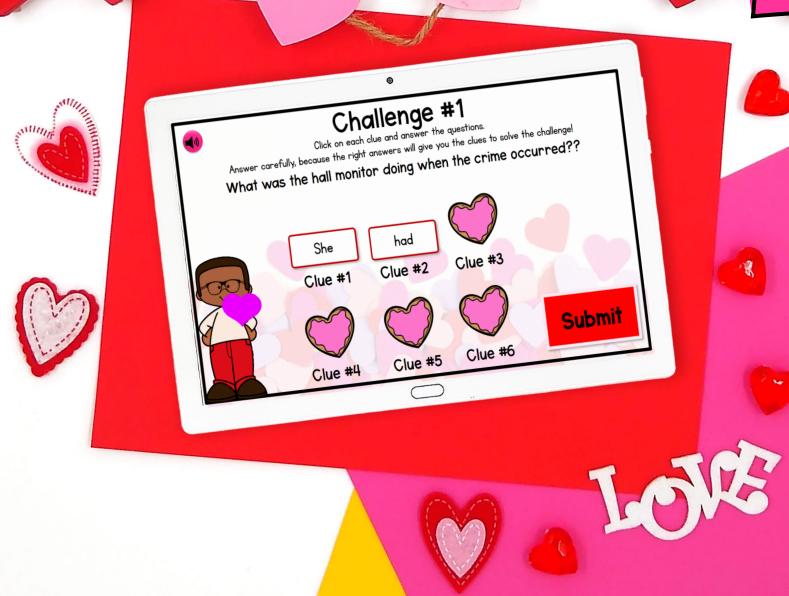


Print

 OOPS! Cards for differentiation



Webscape TM



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



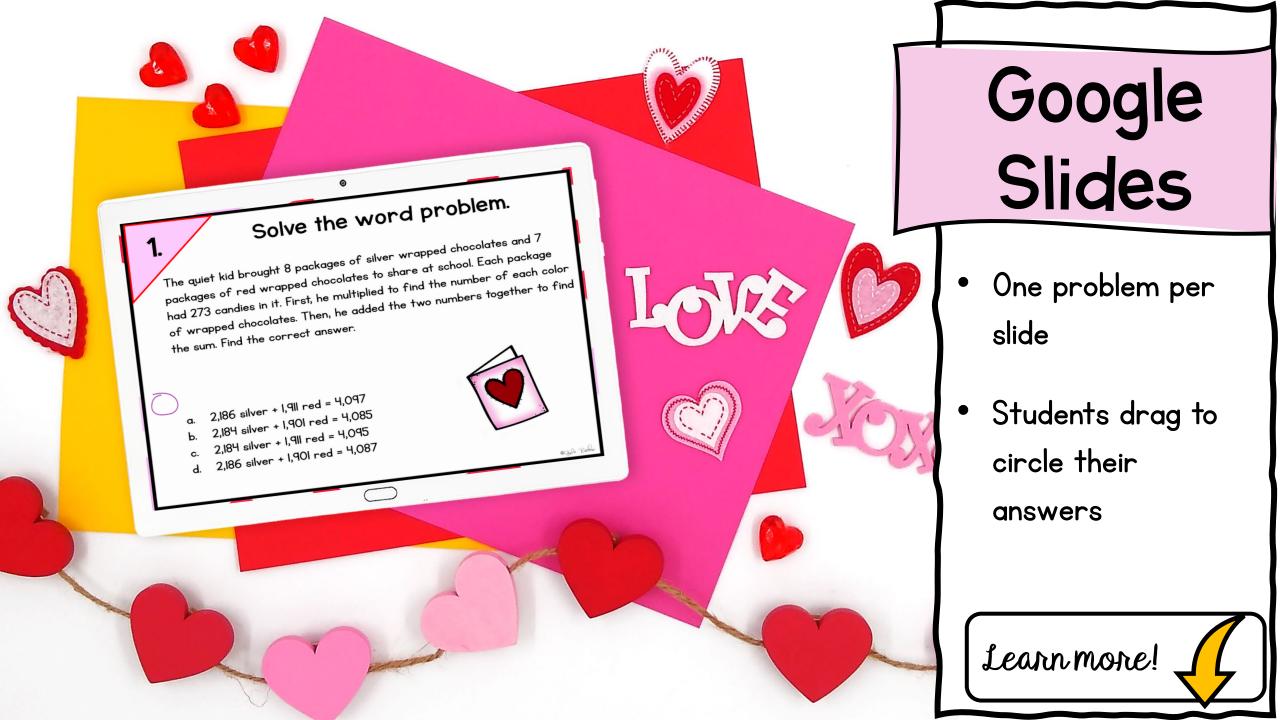


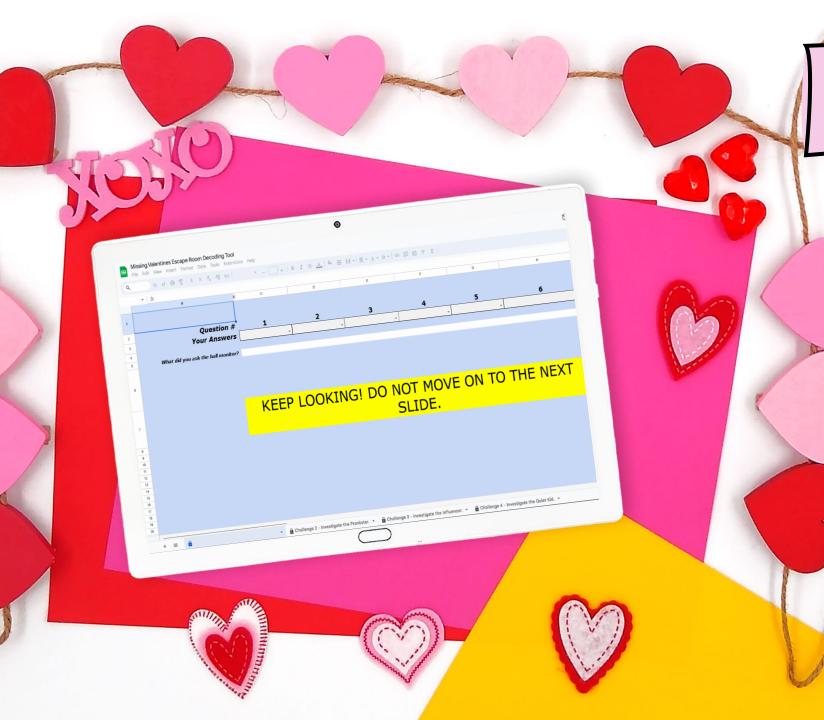
Webscape тм

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- 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.







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?

