

MATH

3rd Grade



THE CASE OF THE MISSING VALENTINES ESCAPE ROOM

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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.

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:

1. Hall monitor
2. Prankster
3. Influencers
4. Quiet kid

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

Sincerely, *Ms. Heart's Class*

Learn more!



4 Mathematics Challenges

- Challenges focused on important math skills
- Each challenge takes about 20-30 minutes

Learn more!

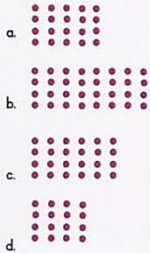


Challenge #1

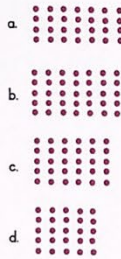


- Solve each multiplication or division problem.
- Record answers on your brochure.
- Check your answers in the Valentine Decoder.
- Add the clue to the journal.
- Scan the QR code in the corner of the next page.
- Move on to the challenge #2.

1. The principal created a weekly schedule for the hall monitors. There are 4 hall monitors scheduled for each week. Find the array that shows how many hall monitors are needed in the schedule in eight weeks.



2. The principal adds one extra hall monitor each week for the last six weeks of the school year. Find the array that shows how many hall monitors will be scheduled for the last six weeks of the year.



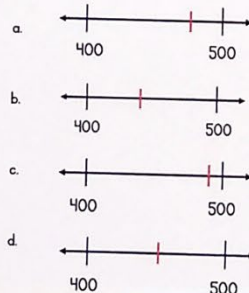
3. Ms. Heart and Mr. White joined their classes for a Valentine's Day art project. There were 42 students in each class.

Challenge #2



- Solve each place value problem.
- Record answers on your brochure.
- Check your answers in the Valentine Decoder.
- Add the clue to the journal.
- Scan the QR code in the corner of the next page.
- Move on to the challenge #3.

1. The thief took 476 Valentine's Day cards that were made by Ms. Heart's students. Ms. Heart asked you to place the number on the number line. Find the number line that shows the correct placement of 476.



2. The thief took a total of 945 cards. Mr. White asked his students to use the number line to round 945 to the nearest hundred. Find the correct answer.



- a. 945 rounds to 950
b. 945 rounds to 1000
c. 945 rounds to 945
d. 945 rounds to 900

3. The prankster counted between 200 and 300 red hearts. He rounded the number of hearts to the nearest ten to 260. Which number below would not round to 260 when rounding to the nearest ten?

- a. 256
b. 265
c. 261
d. 255

4. Ms. Heart gave each student the same number of sheets of construction paper for the art project. Each table of six students had 54 sheets of construction paper. How many sheets of paper did each student get? Find the equation that represents the math for the problem.

- a. $54 \div 6 = 6$
b. $54 \div 6 = 7$
c. $54 \div 6 = 8$
d. $54 \div 6 = 9$

5. Ms. Heart has 6 packs of Valentine's Day stickers to share with her 20 students. Each pack has 10 stickers. She asked you to explain how to determine the number of stickers each student gets.

6. The hall monitor gave the Kindergarten teachers sheets of Valentine's Day stickers to give to their students. She gave five sheets to Ms. Clifford, six sheets to Mr. Johnson, and four sheets to Miss Green. Each sheet has 8 stickers on it. What is the total number of stickers she gave to the Kindergarten teachers?

- a. 110
b. 112
c. 120
d. 124

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



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



- Solve each fraction problem.
- Record answers on your brochure.
- Check your answers in the Valentine Decoder.
- Add the clue to the journal.
- Scan the QR code in the corner of the next page.
- Move on to the challenge #4.

1. Ms. Heart baked giant chocolate chip cookies to share on Valentine's Day. She cut each cookie into eight equal-sized slices and planned for each student to have two slices. How much of one cookie will each student get?



a. $\frac{1}{2}$

2. If Ms. Heart bakes three giant cookies, how many students will get two slices? Find the equation that represents the math to solve the problem.



- $20 \text{ slices} \div 2 \text{ slices per student} = 10 \text{ students}$
- $8 \text{ slices per cookie} \times 2 \text{ slices per student} = 16$
- $24 \text{ slices} \div 2 \text{ slices per student} = 12 \text{ students}$
- $2 \text{ slices per student} \times 3 \text{ cookies} = 6 \text{ students}$

3. The influencers spilled punch on your math homework. What fraction will fall under the juice spot?



a. $\frac{1}{3}$

Challenge #4



- Solve each word problem.
- Record answers on your brochure.
- Check your answers in the Valentine Decoder.
- Add the clue to the journal.
- Scan the QR code in the corner of the next page.
- Move on to the challenge #4.

1. The quiet kid was adding up chocolate candies. He counted 529 candies wrapped in silver foil and 481 wrapped in red foil. Help him use number bonds to find the total number of chocolate candies. Find the correct equation.

$$\begin{array}{r} 529 \\ + 481 \\ \hline \end{array} = ?$$

- $900 + 100 + 9 = 1009$
- $900 + 90 + 10 = 1000$
- $900 + 100 + 10 = 1010$
- $900 + 80 + 10 = 990$

2. The quiet kid gave 175 of the red-wrapped candies to the prankster. The prankster thinks the quiet kid made a mistake when he subtracted 175 from 481. Find the correct explanation.

$$\begin{array}{r} 481 - 175 = 305 \\ \begin{array}{r} 400 + 80 + 1 \\ - 100 + 70 + 5 \\ \hline 300 + 0 + 5 \end{array} \end{array}$$

- He did not need to regroup.
- He didn't add the 10 to the 1 when he regrouped.
- He subtracted the tens incorrectly.
- He did not make a mistake.

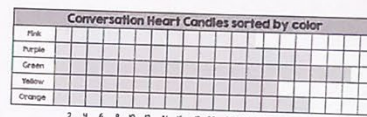
3. The influencers cut out 723 paper hearts to share with classmates when they were making Valentine's Day cards. There were 247 red hearts and 226 pink hearts. The rest were purple. How many hearts were purple?

- 290 purple hearts
- 150 purple hearts
- 240 purple hearts
- 250 purple hearts

4. Mr. White made raspberry punch for the class to celebrate Valentine's Day. He filled five 2-liter bottles with punch and brought them to school. He filled 7 paper cups with punch from one 2-liter bottle. How many cups of punch will he fill from all five bottles? Find the correct answer.

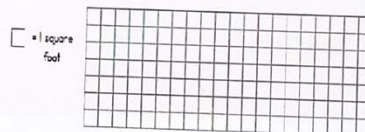
- 35 cups of punch
- 25 cups of punch
- 40 cups of punch
- 36 cups of punch

5. Ms. Heart created a bar graph to show Conversation Hearts and shared it with her class. Use the data to find the statement that is true.



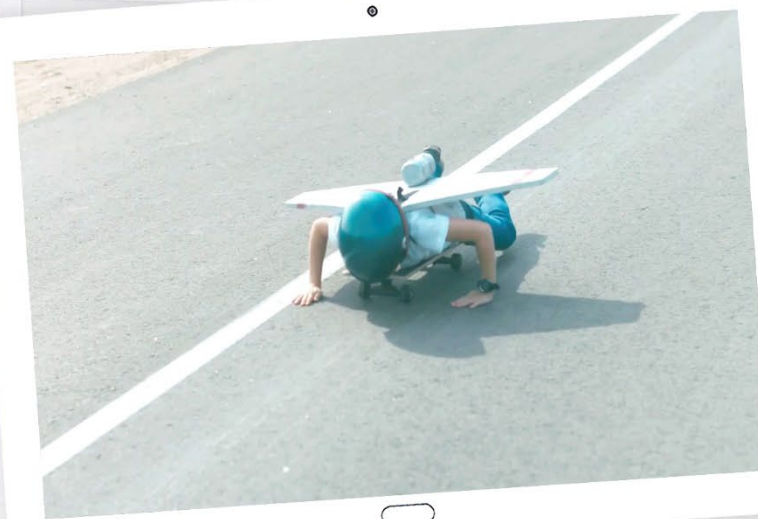
- There are 2 less purple candy hearts than green candy hearts.
- There are 156 candy hearts in all.
- There are 4 more orange candy hearts than pink candy hearts.
- There are the same number of purple and orange candy hearts.

6. The principal helped with the investigation by finding the area of the back hallway where footprints were found after recess. Find the area.




- 90 square feet
- 120 square feet
- 160 square feet
- 140 square feet

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





Challenge #1





1. Solve each multiplication or division problem.
2. Record answers in your brochure.
3. Check your answers in the Valentine Decoder.
4. Add the clue to the journal.
5. Scan the QR code in the corner of the next page.
6. Move on to the challenge #2.

The principal created a weekly schedule for the hall monitors. There are 4 hall monitors scheduled for each week. Find the array that shows how many hall monitors are needed in the schedule in eight weeks.

a. 


b. 


c. 


d. 


1. Solve the multiplication problem.

The principal created a weekly schedule for the hall monitors. There are 4 hall monitors scheduled for each week. Find the array that shows how many hall monitors are needed in the schedule in eight weeks.


a. 

b. 

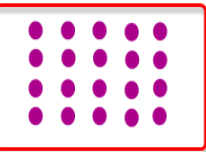
c. 

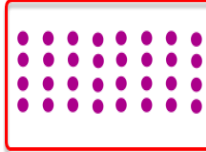
d. 


1. Solve the multiplication problem.




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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

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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!



Print

- OOPS! Cards for differentiation

Learn more!



The Case of the Missing Valentines

Harper Brown

(name)

has successfully completed the challenges and cracked the case!

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

16/02

(Date)

Ms. Heart's Class



LOVE
XOXO

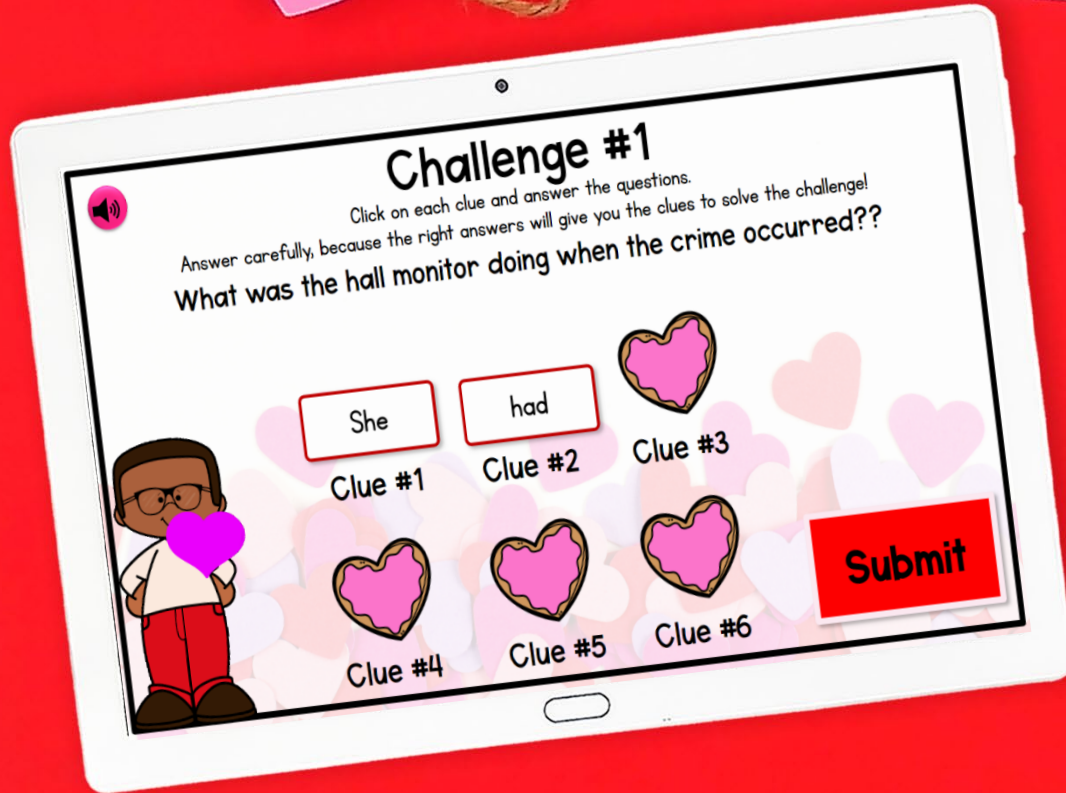
Oops!

Cupid hit you with his arrow!



YOU MUST STAY QUIET FOR 5 MINUTES. NO SPEAKING!

Webscape TM



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

Learn more!



LOVE



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!

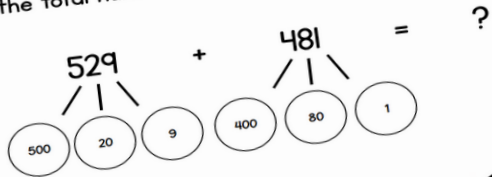


Google Slides

1.

Solve the word problem.

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- b. $900 + 90 + 10 = 1000$
- c. $900 + 100 + 10 = 1010$
- d. $900 + 80 + 10 = 990$



LOVE



JOY

- 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

3rd Grade



Math Escape Rooms

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

Telling Time: Time Machine Escape Room


ENGAGE VIDEO TELL 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 has taken 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

Fractions & Partitioning Shapes


Candy Factory Escape Room

3rd Grade Math



5. Solve the Partitioning Shapes Problem

Is each piece of the cookie equal to $\frac{1}{4}$ the area of the cookie?



The answer is: ☐

- a. No, because there are not 4 pieces.
- b. Yes, because each piece is the same size and there are 4 pieces.
- c. No, because 2 pieces are small and 2 pieces are big.
- d. Yes, because the lines on the cookie are straight.

Print and Digital

MagiCORE