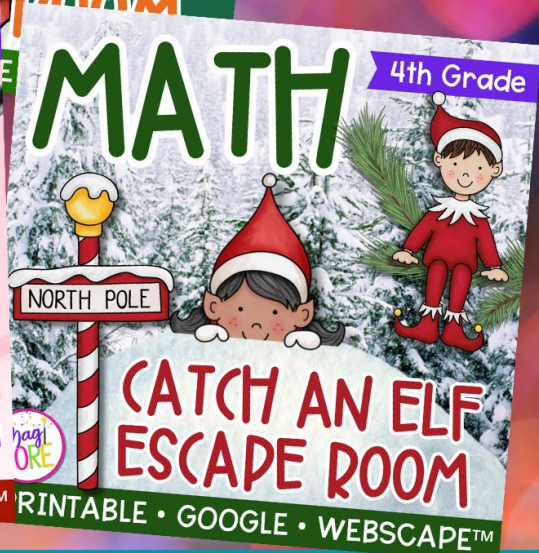
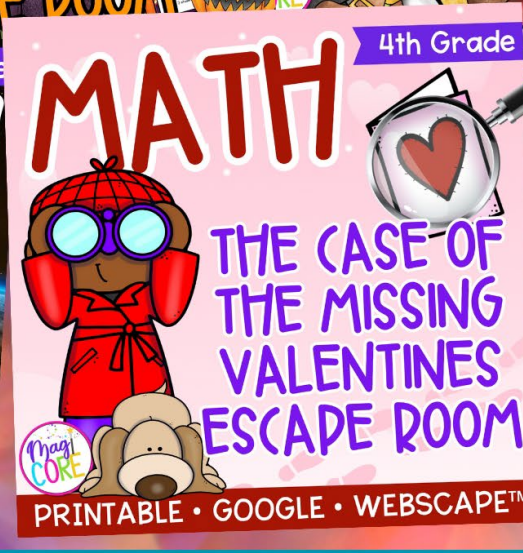
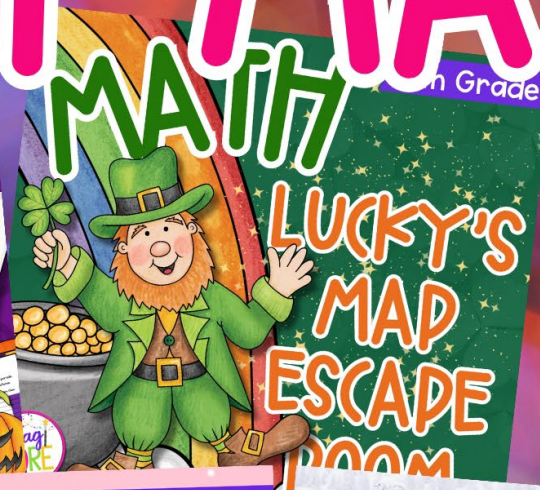


4th Grade

HOLIDAY MATH

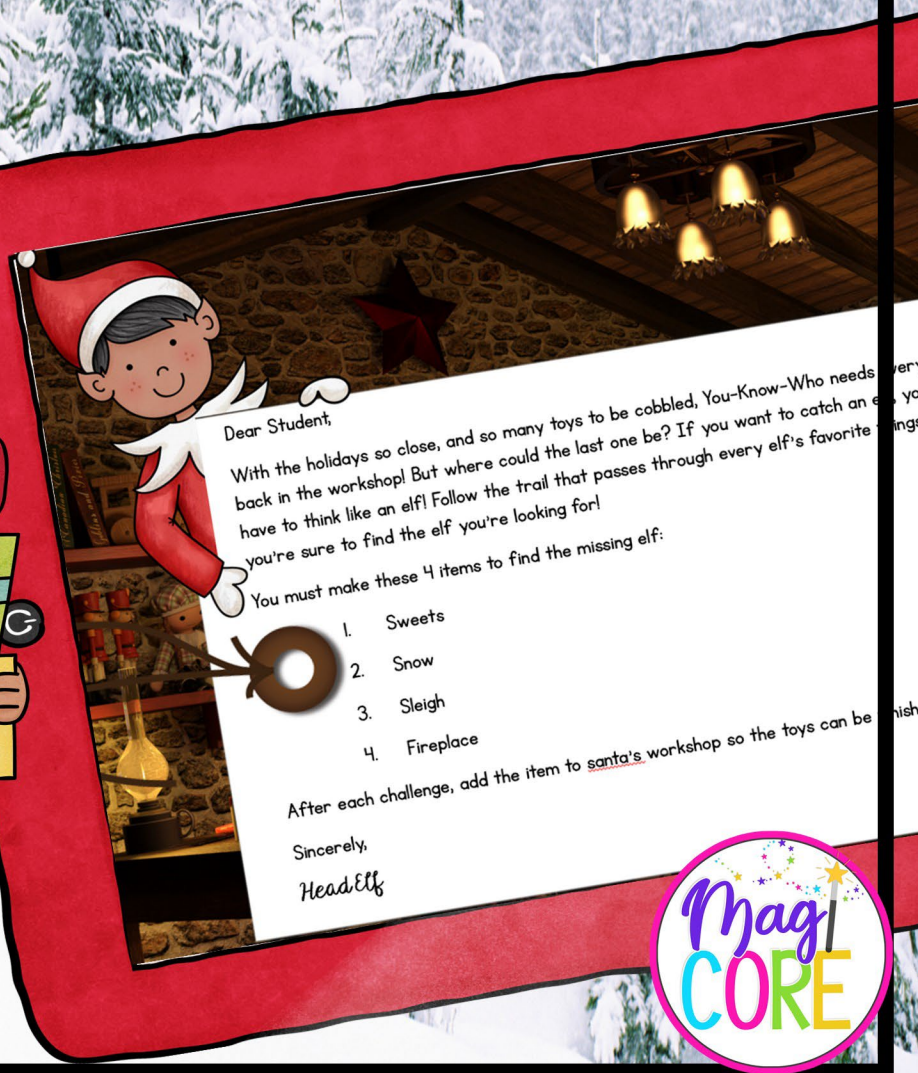


ESCAPE ROOM BUNDLE

PRINTABLE • GOOGLE • WEBSCAPE™

4th Grade Math

Catch an Elf Escape Room



Print & Digital



Print & Two Digital Options

Google Instru

Click the BLUE present to access the Google version of this resource.

Click the GREEN p
Decoder to

Webscape Directions

How does the Webscape work?

- The Webscape will open in your internet browser.
- The slides advance automatically based on the story and student responses.
- Once each challenge is completed, the students are prompted to retry incorrect responses. The resource will automatically move past each challenge when all challenge responses are correct.
- Students will not know which challenge question is incorrect, but students can use the code to guide them to which answers



and the slide will advance
s for the challenge are correct.

Printable Directions

Materials:

- Printed cards for each team
- Computer or Tablet for Videos (optional)
- Scrap Paper (optional)

Duration: Approximately 90 minutes. You can also split this up into four 20- to 30-minute activities over four days, having students complete one challenge per day.

Prep

Print challenge cards and recording sheet for each team. Place challenge cards into envelopes.

Directions

1. Split your class into teams of 4-5 students. Ensure teams are multi-level.
2. (Optional) Show the introduction video.
3. Give each team their envelope for challenge #1.
4. Allow time for each team to work through each challenge. Once they solve the challenge, they should turn the code in to the teacher to check before the teacher assigns the consecutive challenge. (Optional) Teacher may show completion videos after each challenge is solved.
5. The first team to complete all four challenges solves the case and team members receive certificates.
6. Assign "oops" cards to help create equity. Give an "oops" card to students who are taking the lead, to encourage them to step back and give other students a turn.



Print Friendly Version

Challenge #1



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



- Solve each multiplicative comparison problem.
- Record answers on your brochure.
- Check your answers in the Catch an Elf Decoder.
- Add the cookie to the workshop.
- Scan the QR code in the corner of this page.
- Move on to the challenge #2.

- Find the equation that represents the following statement:

Miguel the elf has 75 toy dinosaurs to wrap, which is 3 times as many as Roberto, who has 25.

- $25 + 75 = 100$
- $75 - 25 = 3$
- $75 = 3 \times 25$
- $25 \div 3 = 75$

- Find the equation that represents the following statement:

Gina the elf has 132 princess dolls to wrap, which is 11 times as many as Gigi, who has 12 dolls to wrap.

- $132 - 12 = 11$
- $12 \div 11 = 132$
- $132 = 11 \times 12$
- $132 = 11 \times 12$

- Find the equation that represents the following multiplicative comparison problem:

Kian built 32 doll houses, which is 8 times as many as Pedro built. How many doll houses did Pedro make?

- $32 \times 8 = 256$
- $32 = 8 \times 4$
- $40 - 8 = 32$
- $32 \times 8 = 4$

- Find the equation that represents the following multiplicative comparison problem:

Gigi built 15 sleds. Gina built 6 times as many as Gigi. How many sleds did Gina make?

- $15 + 15 + 15 + 15 + 15 = 75$
- $15 \div 6 = 21$
- $15 \times 6 = 90$
- $6 \div 6 + 6 + 6 + 6 + 6 = 36$

- Find the statement that represents the following equation:
 $64 = 8 \times 8$

- Joey has 64 more toy cars than Mickey, who has 8.
- Joey has 64 toy cars, which is 8 times as many as Mickey, who has 8 toy cars.
- Mickey has 8 more cars than Joey, who has 64 toy cars.
- Joey has 64 times as many toy cars as Mickey, who has 8 toy cars.

- Find the statement that represents the following equation:
 $22 \times 10 = 220$

- Mona read 22 letters to Santa and Tori read 10 more letters.
- Tori read 22 letters to Santa and Mona read 10 letters. They read 220 letters altogether.
- Tori read 10 letters to Santa, which is 22 times as many as Mona read.
- Mona read 22 letters to Santa and Tori read 10 times as many as Mona read. Tori read 220 letters.

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Santa for a new incorrect expanded

$$00 + 300 + 10 + 6$$

$$00 + 3,000 + 10 + 6$$

$$00 + 3,000 + 100 + 6$$

$$0 + 300 + 10 + 6$$

nd the correct
rs that, when
qual the number
ion should she

$$7 + 1,940$$

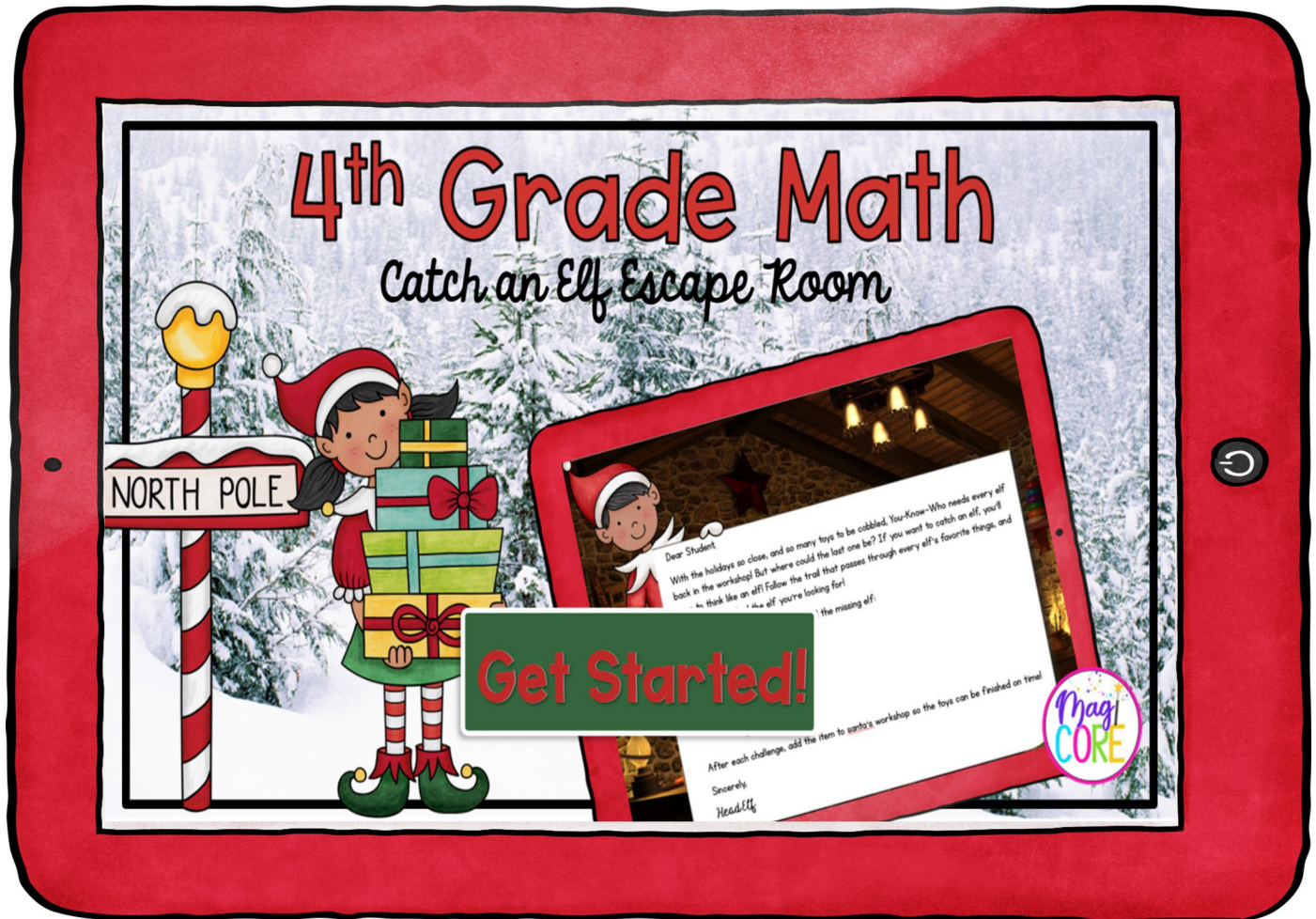
- 1,000
- 1,100
- 1,060

- $40,000 + 500 + 200 + 90 + 9$
- $40,000 + 5,000 + 200 + 90 + 9$

- $1,939 + 78,626 + 5,417$
- $5,417 + 78,626 + 1,939$
- $1,939 + 5,471 + 78,626$

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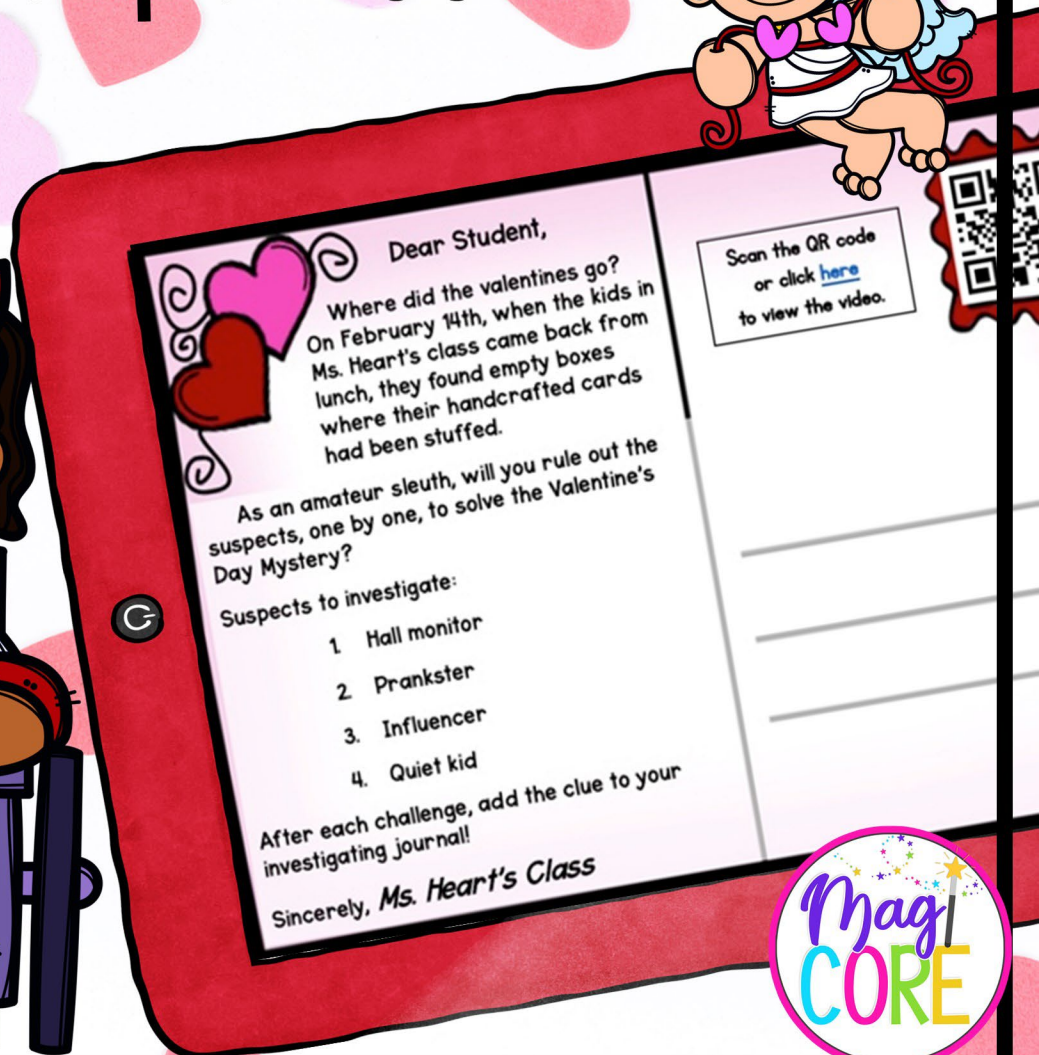
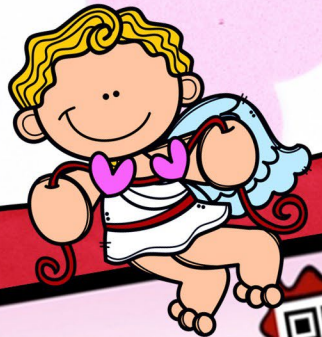
Digital Webscape™ & Google Slides



4th Grade Math

The Case of the Missing Valentines

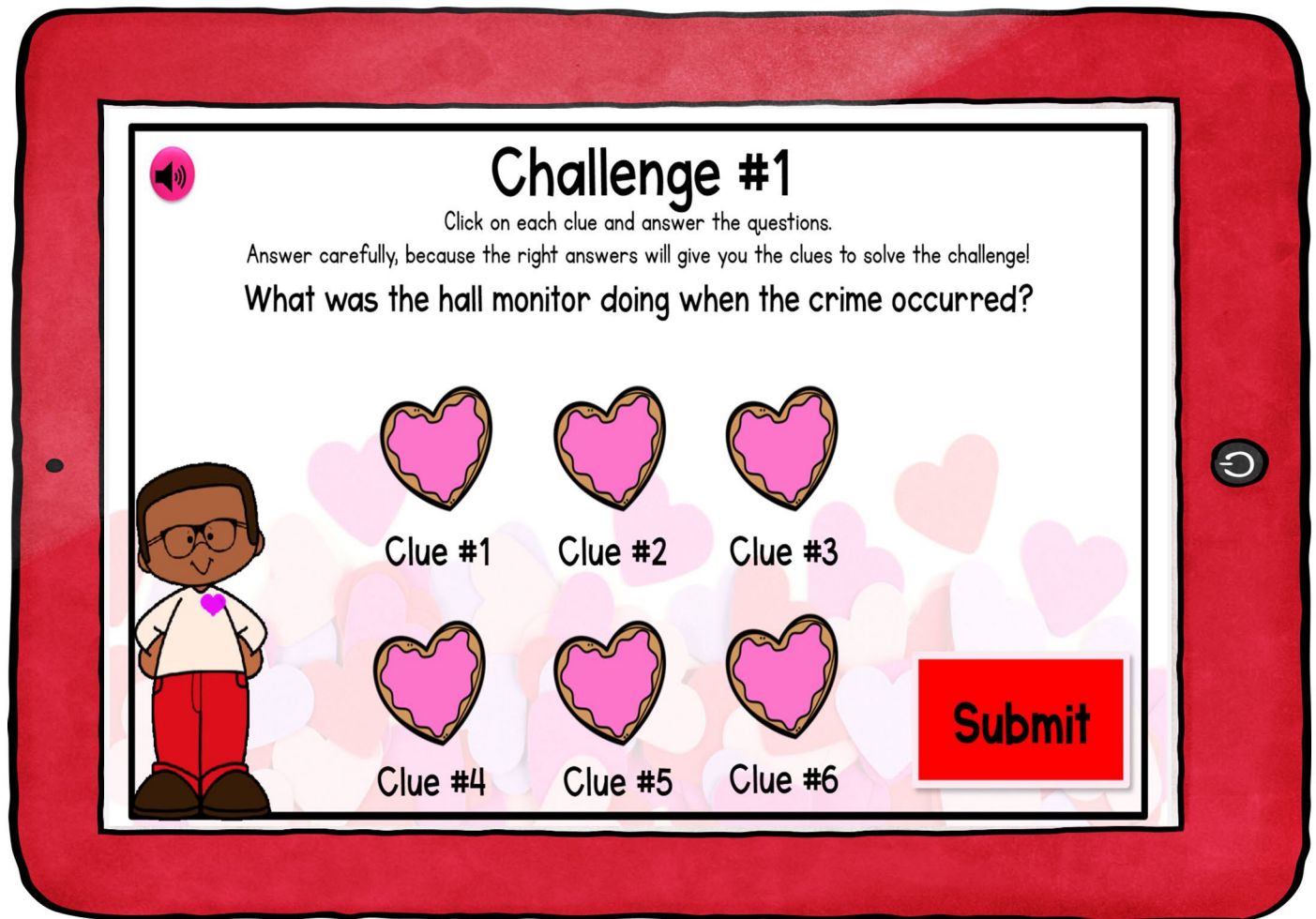
Escape Room



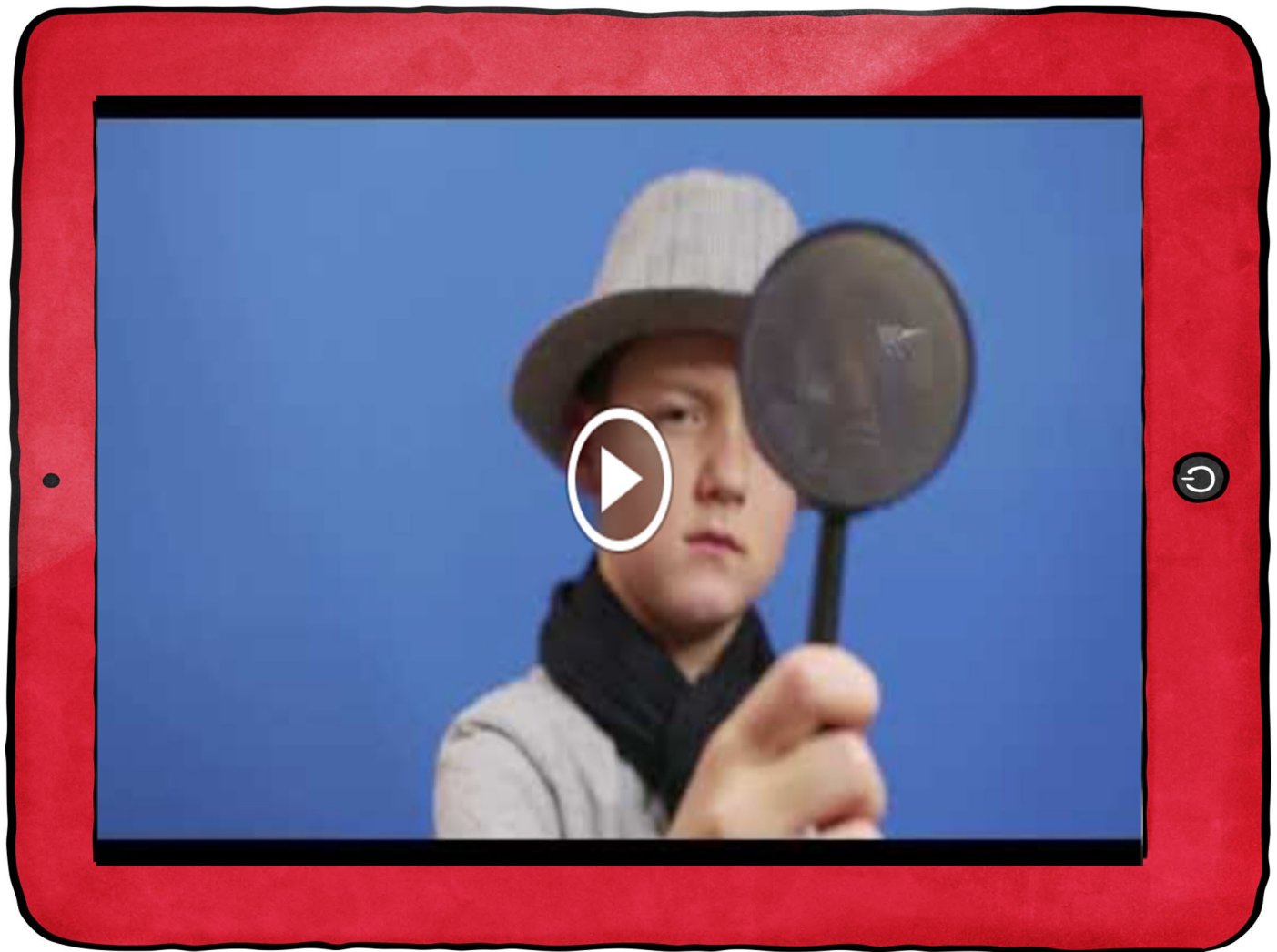
Print & Digital



Webscape™ is Interactive & Self-Correcting!



Videos Tell the Story



Four Standards-Based Math Challenges

The Case of the Missing Valentines

1. Challenge #1: Solve the operations problems to investigate the hall monitor.
2. Challenge #2: Solve the place value problems to investigate the prankster.
3. Challenge #3: Solve the fraction and decimal problems to investigate the influencers.
4. Challenge #4: Solve the word problems to investigate the quiet kid.

3. Solve the addition problem.

The hall monitor counted the students arriving to school on Wednesday morning. She used number bonds to find the total number of students who came to school that day. Find the total number using the strategy.

137	arrived by car	+	208	arrived by bus	=	?
100	30	7		200	80	8

a. $300 + 10 = 310$
 b. $300 + 10 = 300$
 c. $300 + 10 = 310$
 d. $300 + 10 = 300$

1. Solve the place value problem.

The prankster collected pink and red paper hearts throughout the school. The students collected them and put them in a jar in the office. Mr. Heart asked you to find the correct written form of the number.

Standard Form	Expanded Form
2,802	$2000 + 800 + 2$

a. Two thousand eight hundred two
 b. Two thousand eight hundred and two ones
 c. Two thousand eight hundred
 d. Two thousand eight hundred twenty

4. Solve the decimal problem.

The school collected pennies and dimes to purchase supplies for the Valentine's Day on Wednesday. On Wednesday, you brought 8 dimes and 4 pennies. Find the amount that is not true about the value of the money you brought in Wednesday.

a. The value of your dimes is $\frac{8}{10}$
 b. The value of your pennies is $\frac{4}{10}$
 c. The value of your pennies is $\frac{4}{100}$
 d. The total value of the money you brought is $\frac{84}{100}$

3. Solve the word problem.

Mr. Heart showed a graph using Cuisenaire rods. The bar graph shows data from all the heart monitors counted from your class. Find the statement that is not true.

Color	Length (Cuisenaire Rods)
White	1
Light Blue	2
Dark Blue	3
Red	4
Yellow	5
Green	6
Purple	7
Black	8
Orange	9
Dark Green	10

a. The total number of rods is 55
 b. There are 20 more yellow rods than red rods
 c. There are 10 less green rods than yellow rods
 d. There are 10 less purple rods than green rods

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4th Grade Math

Lucky's Map Escape Room



You dared to steal my gold coins! In return, you have been locked in the dungeon of Blarney Castle. Should you wish to return home, I will grant you three wishes. You must find the map and solve the three clues I've left. Only then can you reveal my secret hideout.

1. Find the map to open the door.
2. Alwan the Troll has your next clue under the bridge.
3. Find the rainbow and Fairy Flossy has clue 2.
4. Build a pair of shoes in my workshop and reveal my secret.

After each challenge, add the clue to your notebook and move on to the next challenge.

Sincerely,

Lucky the Leprechaun

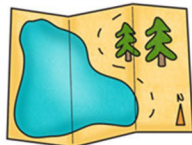
Print and Digital



Print Friendly Version

Challenge #1

1. Solve each addition problem.
2. Record answers on your brochure.
3. Check your answers in the Leprechaun Decoder.
4. Add the map to your notebook.
5. Scan the QR code in the corner of the page.
6. Move on to the next challenge.



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



1. A

$$\begin{array}{r} 7343 \\ + 267 \\ \hline \end{array}$$

- a.
- b.
- c.
- d.

2. A

$$\begin{array}{r} 3126 \\ + 28 \\ \hline \end{array}$$

- a.
- b.
- c.
- d.

Challenge #4



1. Solve each pattern problem.
2. Record answers on your brochure.
3. Check your answers in the Leprechaun Decoder.
4. Add the shoes to your notebook.
5. Scan the QR code in the corner of the page.
6. Reveal the secret hideout.

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



1. 5, _____, _____, _____, _____

Rule: multiply by 8

The next 4 numbers are:

- a. 40, 322, 2560, 20485
- b. 40, 320, 2460, 20470
- c. 40, 320, 2560, 20480
- d. 40, 322, 2460, 20480

2. 945, _____, _____, _____

Rule: divide by 3

The next 3 numbers are:

- a. 630, 210, 70
- b. 630, 200, 73
- c. 620, 210, 71
- d. 620, 200, 70

3. 6, 10, 14, _____, _____

Rule: add 4

The next number in the pattern will be:

- a. Odd because adding an odd number to an even number will always be an odd number.
- b. Even because adding an even number to an even number will always be an odd number.
- c. Odd because adding an odd number to an odd number will always be an odd number.
- d. Even because adding an even number to an even number will always be an even number.

4. 33, 38, 43, _____, _____

Rule: add 5

The next number in the pattern will be:

- a. Even because adding an even number to an even number will always be an even number.
- b. Even because adding an odd number to an odd number will always be an even number.
- c. Odd because adding an even number to an even number will always be an odd number.
- d. Odd because adding an odd number to an even number will always be an odd number.

5. 62, _____, _____, _____

Rule: multiply by 4, subtract 12

The next 3 numbers are:

- a. 236, 930, 3616
- b. 236, 932, 3716
- c. 234, 930, 3617
- d. 236, 923, 3616

6. 4, _____, _____, _____

Rule: multiply by 6, add 14

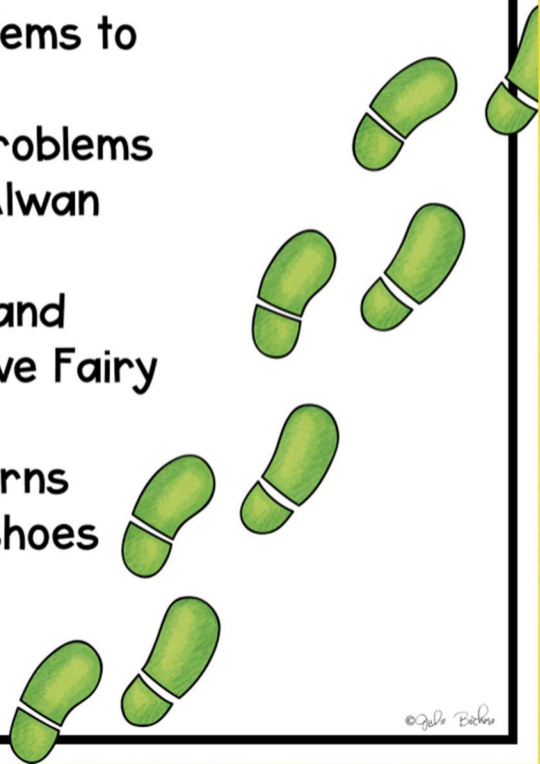
The next 3 numbers are:

- a. 38, 240, 1460
- b. 36, 242, 1566
- c. 38, 242, 1466
- d. 36, 240, 1460

Four Standards-Based Math

Challenges

1. Solve the addition problems to find the map.
2. Solve the subtraction problems to solve the clue from Alwan the Troll.
3. Solve the multiplication and division problems to solve Fairy Flossy's clue.
4. Practice creating patterns with rules to build the shoes and reveal the hideout.



Webscape™ is Interactive & Self-Correcting!



Challenges are Quick

1. Solve the Addition Problems

$$\begin{array}{r} 7343 \\ + 267 \\ \hline \end{array}$$

$$\begin{array}{r} 1150 \\ + 345 \\ \hline \end{array}$$

$$\begin{array}{r} 2262 \\ + 2124 \\ \hline \end{array}$$

$$\begin{array}{r} 3337 \\ + 1551 \\ \hline \end{array}$$

The answers are:

- a. 7510, 1495, 4386, 3988
- b. 7610, 1495, 4386, 4888
- c. 7620, 1485, 3378, 4888
- d. 7610, 1485, 4367, 4898

Variety of Skills

1.

Creating Patterns

5, , , ,

Rule: multiply by 8

The next 4 numbers in the pattern are:

- a. 40, 322, 2560, 20485
- b. 40, 320, 2460, 20470
- c. 40, 320, 2560, 20480
- d. 40, 322, 2460, 20480



Decoder in Digital Version is Self-Checking

St. Patrick's Magical Decoding Tool

File Edit View Insert Format Data Tools Add-ons Help [Last edit was seconds ago.](#)

100% \$ % .00 123 Verdana 16 B I A [Table Icon] [List Icon]

A	B	C	D	E	F	G	H
Question #	1	2	3	4	5	6	
Your Answers	a ▾	b ▾	c ▾	d ▾	a ▾	b ▾	
Map Location	This	was	on	these	enchanted	door.	

KEEP LOOKING! DO NOT MOVE ON TO THE NEXT SLIDE.

Printable Version

Includes Recording

Brochure & Decoder

Leprechaun Decoder

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

	Question 1	Question 2	Question 3	Question 4	Question 5	Question 6
Challenge 1	a = They b = It c = The Book d = It	a = Is b = may be c = Is d = was	a = near b = in c = on d = above	a = the b = its c = a d = the	a = secret b = window c = guest d = creepy	a = ledge. b = study. c = library. d = room.
Challenge 2	a = It b = Merlin's wand c = The wand d = Your wand	a = was b = isn't c = Is d = may be	a = near b = in c = under d = above	a = the b = a c = Merlin's d = our	a = wood b = storage c = red d = large	
Challenge 3	a = Frog Guts b = Bird Beaks c = Old Tires d = Dog Fur	a = Fingernails b = Bat Toe c = Unicorn Snot d = Dryer Lint	a = Fly Buzz b = Ear Wax c = Rose Thorns d = Old Cheese	a = Old Shoes b = Scent of Sweat c = Wet Haggie d = Blood Pudding	a = Hat Sneez b = Cold Feet c = Eagle Fe d = Seashells	
Challenge 4	a = Attack Spell b = Wand Strike c = Shield Spell d = Magic Potion	a = Attack Spell b = Wand Strike c = Shield Spell d = Magic Potion	a = Attack Spell b = Wand Strike c = Shield Spell d = Magic Potion	a = Attack Spell b = Wand Strike c = Shield Spell d = Magic Potion	a = Attack b = Wand S c = Shield S d = Magic F	

CHALLENGE 1



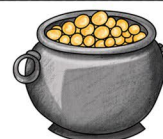
	Answer	Code
1.		
2.		
3.		
4.		
5.		
6.		

Where is the map?

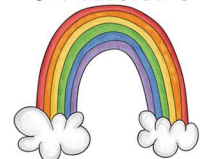
CHALLENGE 2

	Answer	Code
1.		
2.		
3.		
4.		
5.		
6.		

Where did Alwan's clue say to go?



CHALLENGE 3



	Answer	Code
1.		
2.		
3.		
4.		
5.		
6.		

Where did Fairy Flossy's clue say to go?
