


WHAT IS THIS?



The image displays a collection of materials for a mystery-solving activity. At the top left are two spiral-bound notebooks, one orange and one pink. To their right are two pairs of sunglasses, one yellow and one green. Further right are four markers in blue, green, yellow, and orange. Below these items is a stack of clue cards. The top card is titled "solve the mystery" and "The Case of the Missing Sunglasses". Below it are five clue cards, each with a different colored border (pink, orange, yellow, green, blue). The bottom card is titled "Who Took My Sunglasses?" and features a grid of eight illustrations of children, each with a red X over them, indicating they are suspects. The clues are numbered 1 through 5.

Clue #1: Picture Decoder
Write the answer on each line. Then, draw a line to each match.
Last, use the decoder at the bottom to solve the clue.

Clue #2: Sorting Seashells
Figure out the answer on each seashell. Color the seashells the same color as the bucket they belong in.
Then, find the correct key at the bottom to solve the clue!

Clue #3: Color by Code
pink: 149,296 221,712 510,649 45,756 149,296 green: 54,903 54,309 54,39 54,030

Clue #4: Beach Cross-Off
Put the correct answer in each box. Then, read what to do at the bottom.

Clue #5: Right or Wrong?
Look at each answer. Decide if it's right or wrong. Color a thumbs up or down to show if you agree.

Who Took My Sunglasses?
Figure out who took the sunglasses by solving each clue.

Name: _____

Students complete a series of clues to figure out who took the sunglasses!

HOW TO PLAY



What Happened?

Uh oh! On your vacation to the beach, your new sunglasses went missing. Now, it is up to you to complete a set of clues to figure out which kid on the beach accidentally took them. Good luck!



1. Take a list of kids on the beach and then start solving each clue.
 2. Each time you solve a clue, you will get closer to discovering who took the sunglasses.
 3. Cross out wrong kids each time you find out new information.
- Good luck!

THE LIFETIME LEARNER

Clue #1: Picture Decoder

Write the answer on each line. Then, draw a line to each match.
Last, use the decoder at the bottom to solve the clue.

3 470 65 55 177 68 155 77 116 70

Answers: 68 65 116 3 55 77 70 155 470 177

Letters: S A N D C A S T L E

The kid who took the sunglasses isn't near a...

Use this decoder to help you figure out what letter is equal to each picture.

A =	G =	M =	S =	Y =
B =	H =	N =	T =	Z =
C =	I =	O =	U =	
D =	J =	P =	V =	
E =	K =	Q =	W =	
F =	L =	R =	X =	

THE LIFETIME LEARNER

Who Took My Sunglasses?

Figure out who took the sunglasses by solving each clue.

 Nia	 Malik	 Yoko	 Natalia
 Diego	 Sahil	 Ainsley	 Harper

Name: _____

THE LIFETIME LEARNER

Each time students solve a clue, it will reveal what suspect(s) to cross out.
When all clues are completed, the mystery of the missing sunglasses will be solved!

SKILL PRACTICE

Clue #1: Picture Decoder
Write the answer on each line. Then, draw a line to each match.
Last, use the decoder at the bottom to solve the clue.

Answers: $(8 \times 9) - (20 \div 5) = 68$, $45 + (18 \times 2) - 16 = 65$, $(8 \times 10) \div +96 = 116$

Letters: **S A N**

The kid who took the sunglasses isn't near a...

Use this decoder to help you figure out what letter is equal to each picture.

Clue #2: Sorting Seashells
Figure out the answer on each seashell. Color the seashells the same color as the bucket they belong in.
Then, find the correct key at the bottom to solve the clue!

Clue #3: Color by Code

- 2 by 3 Digit Multiplication
- Read and Write Decimals
- Add and Subtract Mixed Numbers
- Add, Subtract, Multiply, Divide Decimals
- Order of Operations
- Summer-Themed
- Error Analysis Practice

All clues focus on reviewing 5th grade math skills!

MULTIPLE VERSIONS



Print & Digital Forms

Clue #1: Picture Decoder
Write the answer on each line. Then, draw a line to each match.
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Clue #2: Sorting Seashells
Figure out the answer on each seashell. Color the seashells the same color as the bucket they belong in.
Then, find the correct key at the bottom to solve the clue.

Clue #3: Color by Code

pink: $691 \times 739 = 510,649$ $248 \times 602 = 149,296$	orange: $580 \times 917 = 531,860$ $757 \times 865 = 654,805$	yellow: $596 \times 372 = 221,712$ $369 \times 124 = 45,756$	green: $446 \times 492 = 219,432$ $721 \times 647 = 466,487$	light blue: $272 \times 290 = 78,880$
--------------------------------------------------------------------------	----------------------------------------------------------------------------	---------------------------------------------------------------------------	---------------------------------------------------------------------------	-------------------------------------------------

Which color was used the most in the picture?

• Light blue: Cross out Yoko.
• Dark blue: Cross out Natalia.
• Pink: Cross out Nia.

3 Clue Version

Clue #1: Picture Decoder
Write the answer on each line. Then, draw a line to each match.
Last, use the decoder at the bottom to solve the clue.

Clue #2: Sorting Seashells
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--------------------------------------------------------------------------	----------------------------------------------------------------------------	---------------------------------------------------------------------------	---------------------------------------------------------------------------	-------------------------------------------------

Clue #4: Beach Cross-Off
Put the correct answer in each box. Then, read what to do at the bottom.

$23,491 + 23,446 = 46,937$	$48.5 \times 3.014 = 146.179$	$78,156 \div 15.6 = 5,010$	$59,348 - 27,531 = 31,817$
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Clue #5: Right or Wrong?
Look at each answer. Decide if it's right or wrong. Color a thumbs up or down to show if you agree.

$7,120 \times 3 = 21,360$	$280.528 \div 3 = 93.509$	$12,524 \div 4 = 3,131$
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How many answers did each character get correct?

Cross out who got **more** answers correct.
Now you should know who accidentally took the sunglasses!

5 Clue Version

Clue #3: Color by Code

pink: $691 \times 739 = 510,649$ $248 \times 602 = 149,296$	orange: $580 \times 917 = 531,860$ $757 \times 865 = 654,805$	yellow: $596 \times 372 = 221,712$ $369 \times 124 = 45,756$	green: $446 \times 492 = 219,432$ $721 \times 647 = 466,487$	light blue: $272 \times 290 = 78,880$
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Which color was used the most in the picture?

• Light blue: Cross out Yoko.
• Dark blue: Cross out Natalia.
• Pink: Cross out Nia.

Clue #3: Color by Code

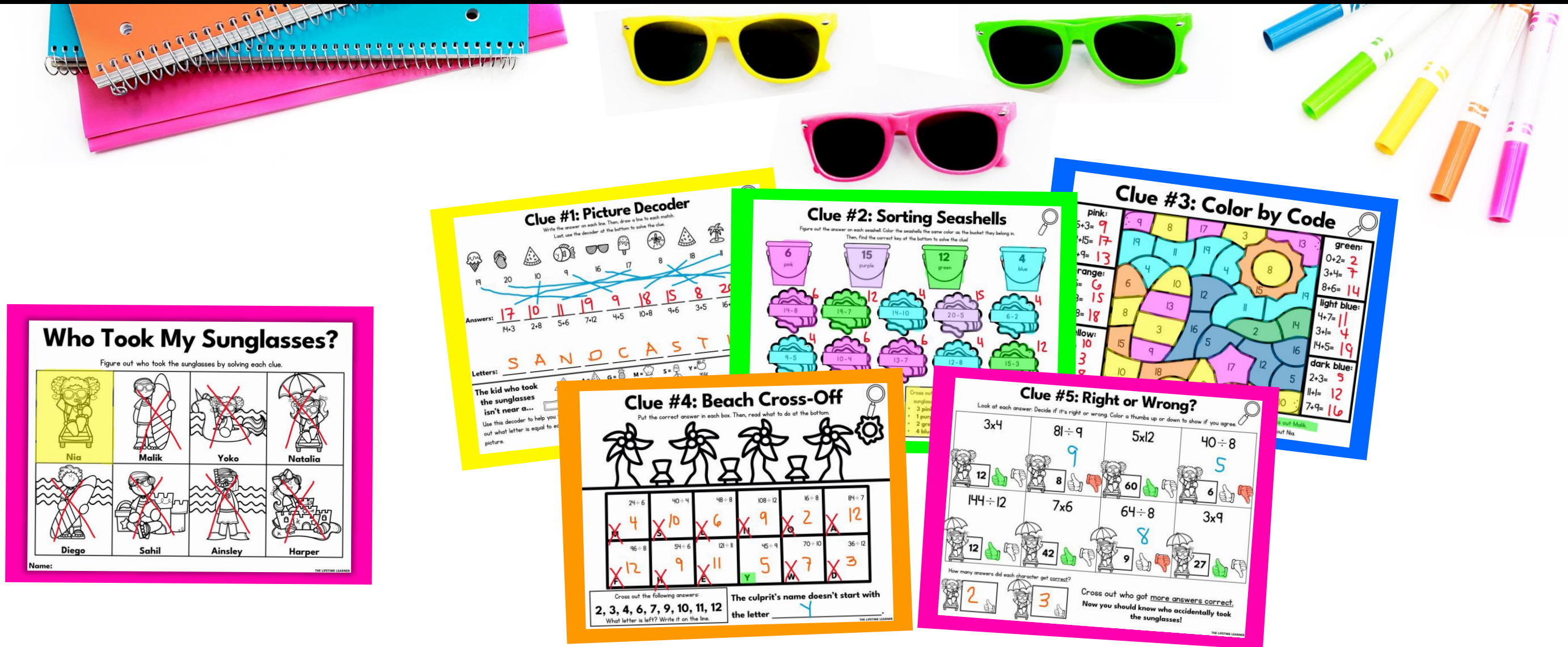
pink: $691 \times 739 = 510,649$ $248 \times 602 = 149,296$	orange: $580 \times 917 = 531,860$ $757 \times 865 = 654,805$	yellow: $596 \times 372 = 221,712$ $369 \times 124 = 45,756$	green: $446 \times 492 = 219,432$ $721 \times 647 = 466,487$	light blue: $272 \times 290 = 78,880$	dark blue: $139 \times 328 = 45,592$ $928 \times 581 = 539,168$
--------------------------------------------------------------------------	----------------------------------------------------------------------------	---------------------------------------------------------------------------	---------------------------------------------------------------------------	-------------------------------------------------	------------------------------------------------------------------------------

Which color was used the most in the picture?

• Light blue: Cross out Yoko.
• Dark blue: Cross out Natalia.
• Pink: Cross out Nia.

Short & Long Options

2 MATH FACT OPTIONS!



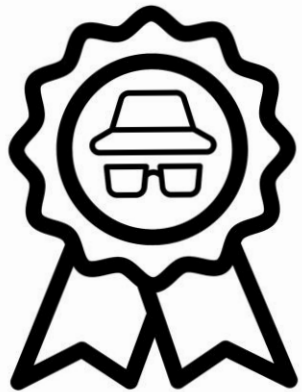
Same clues. Same mystery. Different math!

Use the add/subtract facts to 20 mystery or the multiplication/division facts 1-12 mystery!

FAST FINISHER ACTIVITY



The Detective Agency sends
congratulations to:



Lindsay

You solved the mystery!

11/2

Date

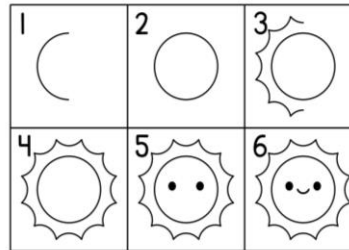
AW

Presented by:

THE LIFETIME LEARNER

LET'S DRAW...

a sun



THE LIFETIME LEARNER

LET'S DRAW...

an ice cream



THE LIFETIME LEARNER

If students finish early,
give them a
certificate of completion
and a directed drawing
to complete while others
continue working.

MATH MYSTERY BENEFITS

- No Prep
- Print and Digital Versions
- 3 & 5 Clue Options
- Extra Math Facts Mystery
- Fun and Engaging
- Easy to Differentiate
- Encourages Critical Thinking
- Aligns with Math Standards
- Perfect for Review Days

Clue #4: Beach Cross-Off
Put the correct answer in each box. Then, read what to do at the bottom.

Illustration of palm trees and beach chairs.

$7\frac{3}{4} - 4\frac{5}{8}$ $3\frac{6}{8} - 4\frac{5}{8} = 3\frac{1}{8}$ M	$1\frac{1}{2} + 1\frac{5}{10}$ $2\frac{5}{10} + 1\frac{5}{10} = 3\frac{10}{10} = 3$ S	$5\frac{4}{6} - 2\frac{1}{2}$ $3\frac{4}{6} - 2\frac{3}{6} = 1\frac{1}{6}$ L	$2\frac{1}{2} + 8\frac{7}{8}$ $10\frac{4}{8} + 8\frac{7}{8} = 18\frac{11}{8}$ N	$5\frac{5}{12} - 3\frac{1}{6}$ $5\frac{5}{12} - 2\frac{2}{12} = 2\frac{4}{12} = 2\frac{1}{3}$ O	$6\frac{2}{3} + 4\frac{7}{12}$ $10\frac{8}{12} + 4\frac{7}{12} = 14\frac{15}{12} = 11\frac{1}{4}$ A
$9\frac{1}{6} - 8\frac{1}{3}$ $1\frac{1}{6} - 8\frac{2}{6} = 7\frac{5}{6}$ F	$3\frac{3}{10} + 2\frac{2}{5}$ $5\frac{3}{10} + 2\frac{4}{10} = 7\frac{7}{10}$ H	$6\frac{7}{12} - 4\frac{3}{4}$ $6\frac{7}{12} - 4\frac{9}{12} = 2\frac{-2}{12} = 1\frac{10}{12} = 1\frac{5}{6}$ E	$5\frac{1}{2} + 1\frac{2}{3}$ $6\frac{3}{6} + 1\frac{4}{6} = 7\frac{7}{6} = 8\frac{1}{6}$ Y	$7\frac{2}{3} - 3\frac{3}{4}$ $11\frac{8}{12} - 9\frac{9}{12} = 2\frac{-1}{12} = 1\frac{11}{12}$ W	$1\frac{2}{4} + 7\frac{1}{2}$ $8\frac{2}{4} + 7\frac{2}{4} = 15\frac{4}{4} = 16$ D

Cross out the following answers:
• $\frac{5}{6}$ • $3\frac{1}{8}$ • $2\frac{1}{4}$ • 3 • $3\frac{1}{6}$ • $11\frac{3}{8}$
• $3\frac{11}{12}$ • $5\frac{7}{10}$ • $11\frac{1}{4}$ • $15\frac{1}{6}$ • 9

What letter is left? Write it on the line.

The culprit's name doesn't start with the letter Y.

THE LIFETIME LEARNER

In 5th grade, this works well in small groups or in partners.

WHY BUY?

Ordinary math worksheets can be boring and unoriginal.

You want activities that are fun and engaging, but also rigorous and meaningful to student learning.

MATH MYSTERIES ARE EXACTLY WHAT YOU'VE BEEN LOOKING FOR!

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$23,491 + 23,446$ $46,937$	48.5×3.014 146.917	$78,156 \div 15.6$ $5,010$	$59,348 - 27,531$ $31,817$
$7,120 \times 39.4$ $280,528$	$67,955 - 12,408$ $55,547$	$91,404 \div 72$ $1,269$	$9,379 + 12,524$ $21,903$

How many answers did each character get correct?

2 3

Cross out who got more answers correct. Now you should know who accidentally took the sunglasses!

The Detective Agency sends congratulations to:

Lindsay

You solved the mystery!

11/2 Date Presented by: SW

LET'S DRAW...
a sun

1 2 3 4 5 6

LET'S DRAW...
an ice cream

1 2 3 4 5 6

Who Took My Sunglasses?
Figure out who took the sunglasses by solving each clue.

 Nia	 Malik	 Yoko	 Natalia
 Diego	 Sahil	 Ainsley	 Harper

Name:

solve the mystery

The Case of the Missing Sunglasses

IDEAS HOW TO USE

Grades K-1:

- Small Groups: Complete with students at back table
- Whole Group: Complete together as an entire class
- Please note: K-1 will need teacher support to read & understand the clues.
- This is great activity for students in K-1 when working with the teacher and is not meant to be used independently.

Grades 2-5:

- On Grade Level: Partner/group activity
- Remediation: Use in small groups with teacher support
- Enrichment: Give to students to complete independently



“ I pulled small groups to my back table during centers. I read the directions to them on each page and they took off with it! With teacher support, they were able to complete each page. THEY LOVED THIS! ”

FIRST GRADE TEACHER



“ I used this as a remediation activity with my students. It was a great way for them to practice and they were engaged the entire time! I had kids ask to skip recess to finish! ”

THIRD GRADE TEACHER



“ THEY WERE SO FOCUSED! I let them choose--some worked in partners and some individually. My class loved solving the clues to try and figure out the mystery. They keep asking me when we will do another one! ”

FIFTH GRADE TEACHER

BUY THE BUNDLE AND SAVE BIG!

MATH MYSTERIES

5TH GRADE

30 THEMES

The Suspect List

Read what the suspects had to say about where they were when the magic wand went missing.

<div><div>I was flying in the forest.</div><div>Dragon</div></div>	<div><div>I was flying in the garden.</div><div>Fairy</div></div>	<div><div>I was at my house.</div><div>Gnome</div></div>	<div><div>I was in the forest.</div><div>Unicorn</div></div>
<div><div>I was at the shop.</div><div>Wizard</div></div>	<div><div>I was in the garden.</div><div>Monster</div></div>	<div><div>I was at my house.</div><div>Witch</div></div>	<div><div>I was at the shop.</div><div>Troll</div></div>

Name: _____



THE LIFETIME LEARNER

THE BUNDLE