

WHAT IS THIS?



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: 4,620, 5,520, 4,653, 3,300, 4,620. green:

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.

$\begin{array}{r} 562,543 \\ - 48,256 \\ \hline 14,337 \end{array}$	$\begin{array}{r} 47,938 \\ - 25,741 \\ \hline 22,197 \end{array}$	$\begin{array}{r} 88,465 \\ - 17,808 \\ \hline 70,657 \end{array}$	$\begin{array}{r} 73,650 \\ - 32,273 \\ \hline 41,377 \end{array}$
$\begin{array}{r} 14,337 \\ 56,099 \\ + 13,287 \\ \hline 69,386 \end{array}$	$\begin{array}{r} 28,974 \\ + 60,551 \\ \hline 89,525 \end{array}$	$\begin{array}{r} 39,425 \\ + 48,766 \\ \hline 88,191 \end{array}$	$\begin{array}{r} 64,087 \\ + 15,993 \\ \hline 80,080 \end{array}$

How many answers did each character get correct?

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

solve the mystery

The Case of the Missing Sunglasses

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

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.



98,435 48,573 26,547 36,482 56,782 84,932 92,736 71,259 12,386 15,172

Answers: 84,932 26,547 12,386 98,435 36,482 71,259 15,172 92,736 48,573 56,782

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

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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: 84,932 26,547 12,386

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 #3: Color by Code

green: $23 \times 15 = 345$

light blue: $48 \times 96 = 4608$

dark blue: $76 \times 50 = 3800$

dark blue: $59 \times 12 = 708$

dark blue: $70 \times 36 = 2520$

dark blue: $98 \times 27 = 2646$

Follow: Cross out Malk.
Pink: Cross out Nia.

Clue #2: Sorting Seashells

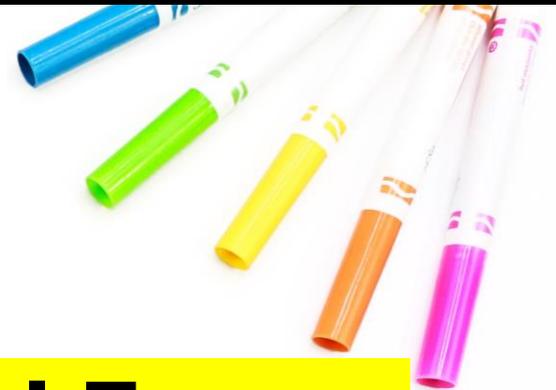
Figure out the answer on each seashell. Color the seashells the same color as the bucket they belong in. Then, find the correct key at the bottom to solve the clue.

Cross out the kids standing up if there are:	Cross out kids with surfboards if there are:	Cross out kids not wearing sunglasses if there are:	Cross out the kids sitting down if there are:
<ul style="list-style-type: none"> 3 pink seashells 2 purple seashells 2 green seashells 3 blue seashells 	<ul style="list-style-type: none"> 2 pink seashells 4 purple seashells 3 green seashells 1 blue seashell 	<ul style="list-style-type: none"> 3 pink seashells 1 purple seashell 2 green seashells 4 blue seashells 	<ul style="list-style-type: none"> 3 pink seashells 2 purple seashells 3 green seashells 2 blue seashells

- 2 by 2 Digit Multiplication
- Read and Write Decimals
- Add and Subtract to 100,000
- Add and Subtract Mixed Numbers
- Place Value to 100,000
- Summer-Themed
- Error Analysis Practice

All clues focus on reviewing 4th grade math skills!

MULTIPLE VERSIONS



Print & Digital Forms

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Clue #3: Color by Code

pink:	4,620	5,520	4,653	3,300	4,620	green:
70x66=	708	708	3,800	5,520	708	23x15=
99x47=	3,800	708	5,520	4,620	3,800	48x96=
orange:	558	4,620	4,653	2,646	708	light blue:
51x26=	558	4,620	4,653	2,646	708	76x50=
18x31=	558	4,620	4,653	2,646	708	59x12=
yellow:	558	4,620	4,653	2,646	708	dark blue:
75x44=	558	4,620	4,653	2,646	708	70x36=
80x69=	558	4,620	4,653	2,646	708	98x27=

Which color was used the most in the picture? →

- Light blue: Cross out Yoko.
- Dark blue: Cross out Natalia.
- Yellow: Cross out Malik.
- Pink: Cross out Nia.

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

$\begin{array}{r} 512 \\ 62543 \\ - 48256 \\ \hline 14,337 \end{array}$	$\begin{array}{r} 47,938 \\ - 25,741 \\ \hline 22,197 \end{array}$	$\begin{array}{r} 88,465 \\ - 17,808 \\ \hline 70,657 \end{array}$	$\begin{array}{r} 73,650 \\ - 32,273 \\ \hline 41,377 \end{array}$
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How many answers did each character get correct?

2	3
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Cross out who got more answers correct.
Now you should know who accidentally took the sunglasses!

Clue #3: Color by Code

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Short & Long Options

2 MATH FACT OPTIONS!



Who Took My Sunglasses?

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 Diego	 Sahil	 Ainsley	 Harper

Name: _____

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: 17 10 11 19 9 18 15 8 20

Letters: **S A N D C A S T**

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

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!

6 pink, 15 purple, 12 green, 4 blue

Answers: $14-8$, $19-7$, $14-10$, $20-5$, $6-2$, $9-5$, $10-4$, $13-7$, $12-8$, $15-3$

Clue #3: Color by Code

pink: $5+3=9$, $15=17$, $9=13$, $6=15$, $8=18$, $10=3$, 9

green: $0+2=2$, $3+4=7$, $8+6=14$, $4+7=11$, $3+=4$, $14+5=19$, $2+3=5$, $11+=12$, $7+9=16$

light blue: $4+7=11$, $3+=4$, $14+5=19$, $2+3=5$, $11+=12$, $7+9=16$

dark blue: $2+3=5$, $11+=12$, $7+9=16$

Clue #4: Beach Cross-Off

Put the correct answer in each box. Then, read what to do at the bottom.

$24 \div 6$ X 4	$40 \div 4$ X 10	$48 \div 8$ X 6	$108 \div 12$ X 9	$16 \div 8$ X 2	$84 \div 7$ X 12
$48 \div 8$ X 12	$54 \div 6$ X 9	$121 \div 11$ X 11	$45 \div 9$ 5	$70 \div 10$ X 7	$36 \div 12$ X 3

Cross out the following answers: **2, 3, 4, 6, 7, 9, 10, 11, 12**

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

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.

Answers: 3×4 , $81 \div 9$, 5×12 , $40 \div 8$, $144 \div 12$, 7×6 , $64 \div 8$, 3×9

How many answers did each character get correct?

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

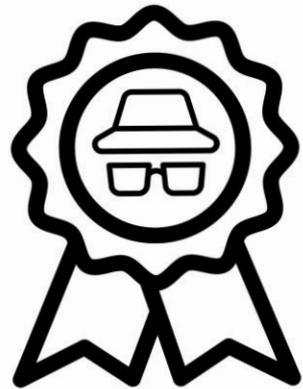
Same clues. Same mystery. Different math!

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

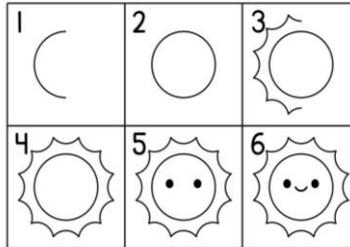
AW

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.

$7\frac{3}{8} - 4\frac{5}{8}$ $3\frac{3}{8} = 2\frac{6}{8}$ $M = 2\frac{3}{4}$	$1\frac{5}{10} + 1\frac{7}{10}$ $2\frac{12}{20} = 2\frac{6}{10}$ $S = 3\frac{1}{5}$	$5\frac{3}{4} - 2\frac{1}{4}$ $3\frac{3}{4} = 3\frac{1}{2}$ L	$2\frac{3}{8} + 8\frac{7}{8}$ $10\frac{10}{8} = 11\frac{7}{8}$ $N = 11\frac{1}{4}$	$5\frac{2}{3} - 3\frac{1}{3}$ $2\frac{1}{3}$ O	$6\frac{5}{6} + 4\frac{2}{6}$ $10\frac{7}{6} = 11\frac{1}{6}$ A
$9\frac{2}{3} - 8\frac{1}{3}$ $1\frac{1}{3}$ F	$3\frac{4}{5} + 2\frac{2}{5}$ $5\frac{6}{5} = 6\frac{1}{5}$ H	$6\frac{4}{6} - 4\frac{5}{6}$ $2\frac{4}{6} = 1\frac{5}{6}$ E	$5\frac{3}{10} + 1\frac{6}{10}$ $6\frac{9}{10}$ Y	$7\frac{2}{4} - 3\frac{1}{4}$ $4\frac{1}{4}$ V	$1\frac{3}{5} + 7\frac{4}{5}$ $8\frac{7}{5} = 9\frac{2}{5}$ B

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

What letter is left? Write it on the line.

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

THE LIFETIME LEARNER

In 4th grade, this works well in small groups or in partners.

WHY TEACHERS LOVE THESE!

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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How many answers did each character get correct?

2	3
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Cross out who got more answers correct. Now you should know who accidentally took the sunglasses!

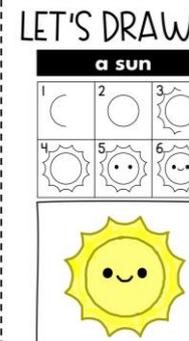
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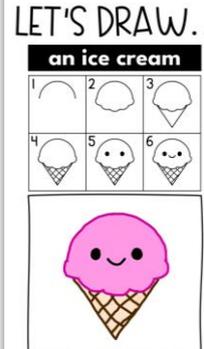
You solved the mystery!

11/2 Date **SW** Presented by:

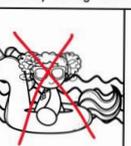
LET'S DRAW...
a sun



LET'S DRAW...
an ice cream



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

WHAT MAKES MATH MYSTERIES UNIQUE?

Math Mysteries aren't just a copy of Reading Mysteries!

They have brand-new clues, focus on math skills, and even feature a different conclusion to the mystery.

The only thing that stays the same is the list of suspects students start with!

So, if you have both, students can play during math and then again during reading for double the fun.

Reading

Clue #1: Descrambler

What verb is missing from each sentence? Find your answer at the bottom. Write the letter next to each cage on each line. When the letters are unscrambled, they will make up the clue.

 C The friends <u>threw</u> beach balls back and forth.	 E The lifeguard <u>limbed</u> the tall air to watch the swimmers.	 I The boy <u>collected</u> seashells in his bucket.	 H The girl <u>touched</u> the cold water with her toes.	 A The crab <u>scuttled</u> sideways across the sand.
 C The friends <u>threw</u> beach balls back and forth.	 H The surfer <u>rode</u> a big wave in the ocean.	 A The family <u>sat</u> under a bright umbrella to stay out of the sun.	 B The wind <u>blew</u> the towels across the sand.	 R The dog <u>ran</u> into the ocean to fetch a stick.

The thief is not on a
B E A C H C H A I R
blew climbed sat built touched threw rode scuttled collected ran

Example of Clue 1

Math

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.

 98,435	 48,573	 26,547	 36,482	 56,782	 84,932	 92,736	 71,259	 12,386	 15,172
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S A N D C A S T L E

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

KEEP THE FUN GOING!

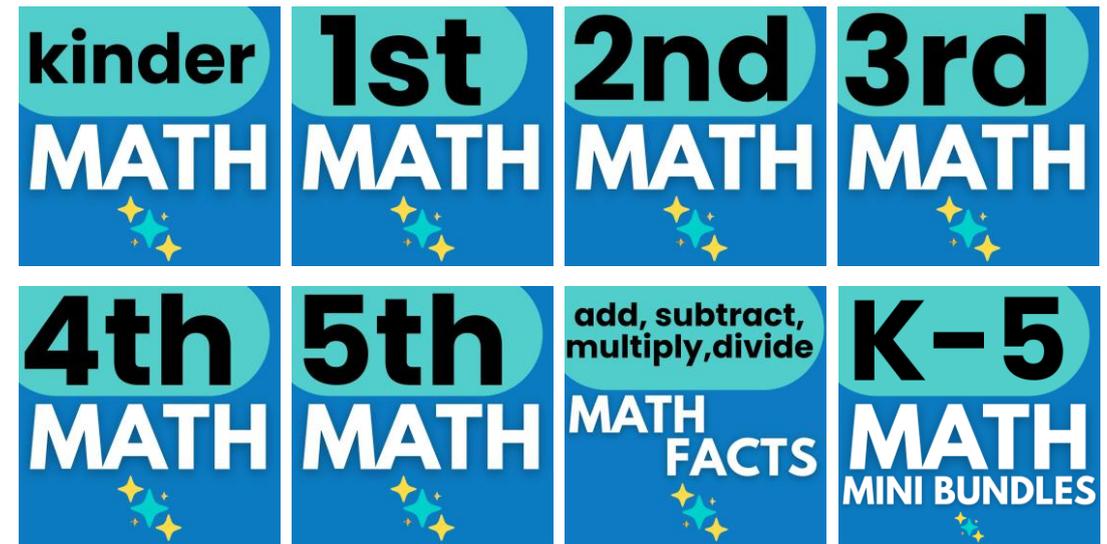
GRAB A **READING MYSTERY**:

Reading mysteries aren't just a copy of math. They come with fresh clues, unique reading challenges, and a new culprit, so students are solving an entirely different case!

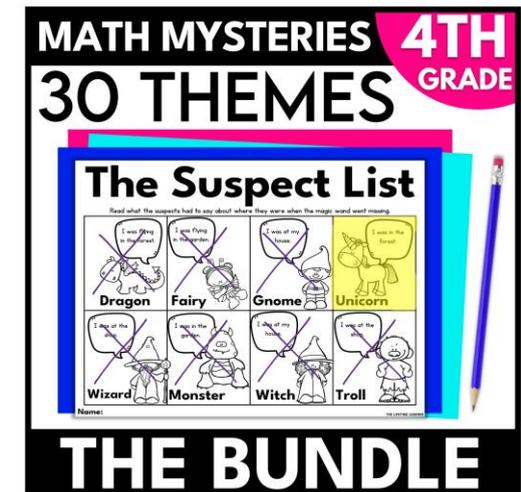


MORE **MATH MYSTERIES**:

Explore other grade levels to differentiate and keep every student engaged.



BUY A BUNDLE
TO **SAVE BIG!**



THE BUNDLE