

# WHAT IS THIS?

The image displays a collection of materials for a classroom activity. At the top left are two spiral-bound notebooks, one orange and one pink. In the center are two pairs of sunglasses, one yellow and one green. To the right are four markers in blue, green, yellow, and orange. Below these are several clue cards. A pink card shows a pair of sunglasses. A stack of clue cards is in the center, with the top card reading 'solve the mystery' and 'The Case of the Missing Sunglasses'. To the right of the stack is a pink sunglasses card. At the bottom right is a clue card titled 'Who Took My Sunglasses?' featuring a grid of eight characters: Nia, Malik, Yoko, Natalia, Diego, Sahil, Ainsley, and Harper. Each character has a red 'X' over them, indicating they are not the thief. The clue card also includes a 'Name:' field and a 'THE LIFETIME LEARNER' logo.

**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: 7 1 3 8 14 green: 2 4 6 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82 84 86 88 90 92 94 96 98 100

**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.

|           |           |             |             |
|-----------|-----------|-------------|-------------|
| <br>Nia   | <br>Malik | <br>Yoko    | <br>Natalia |
| <br>Diego | <br>Sahil | <br>Ainsley | <br>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.

19 20 10 9 16 17 8 18 11 15

Answers: 17 10 11 19 9 18 15 8 20 16

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 = |     |

## Who Took My Sunglasses?

Figure out who took the sunglasses by solving each clue.

|           |           |             |             |
|-----------|-----------|-------------|-------------|
| <br>Nia   | <br>Malik | <br>Yoko    | <br>Natalia |
| <br>Diego | <br>Sahil | <br>Ainsley | <br>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.

8 72 33 80  
Answers: 25 33 63  
5x5 11x3 7x9  
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!

2 pink 6 purple 8 green 12 blue

14 ÷ 7 64 ÷ 8 12 ÷ 1 42 ÷ 7 60 ÷ 5  
48 ÷ 4 20 ÷ 10 6 ÷ 3 132 ÷ 11 96 ÷ 12

Cross out the kids standing up if there are:  
• 3 pink seashells  
• 2 purple seashells  
• 2 green seashells  
• 3 blue seashells

Cross out kids with surfboards if there are:  
• 2 pink seashells  
• 4 purple seashells  
• 3 green seashells  
• 1 blue seashell

Cross out kids not wearing sunglasses if there are:  
• 3 pink seashells  
• 1 purple seashell  
• 2 green seashells  
• 4 blue seashells

Cross out the kids sitting down if there are:  
• 3 pink seashells  
• 2 purple seashells  
• 3 green seashells  
• 2 blue seashells

**Clue #3: Color by Code**

green:  
5x3=15  
7x9=63  
10x2=20  
light blue:  
4x4=16  
5x1=5  
12x1=132  
dark blue:  
9x1=99  
8x8=64  
7x5=35

Yellow: Cross out Malik.  
Pink: Cross out Nia.

- Version 1:  
Addition & Subtraction Facts
- Version 2:  
Multiplication & Division Facts

**All clues focus on reviewing math facts!**

# MULTIPLE VERSIONS

Print & Digital Forms

Short & Long Options

**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:  $6+3=9$ ,  $2+15=17$ ,  $4+9=13$   
orange:  $1+5=6$ ,  $7+8=15$ ,  $10+8=18$   
yellow:  $7+3=10$ ,  $2+1=3$ ,  $4+4=8$   
green:  $0+2=2$ ,  $3+4=7$ ,  $8+6=14$   
light blue:  $1+1=2$ ,  $11+1=12$ ,  $5=19$   
dark blue:  $2+3=5$ ,  $11+1=12$ ,  $7+9=16$   
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.

**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.

How many answers did each character get correct?  
Cross out who got more answers correct.  
Now you should know who accidentally took the sunglasses!

**Clue #3: Color by Code**

|             |                                  |
|-------------|----------------------------------|
| pink:       | $6+3=9$<br>$2+15=17$<br>$4+9=13$ |
| orange:     | $1+5=6$<br>$7+8=15$<br>$10+8=18$ |
| yellow:     | $7+3=10$<br>$2+1=3$<br>$4+4=8$   |
| green:      | $0+2=2$<br>$3+4=7$<br>$8+6=14$   |
| light blue: | $1+1=2$<br>$11+1=12$<br>$5=19$   |
| dark blue:  | $2+3=5$<br>$11+1=12$<br>$7+9=16$ |

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.

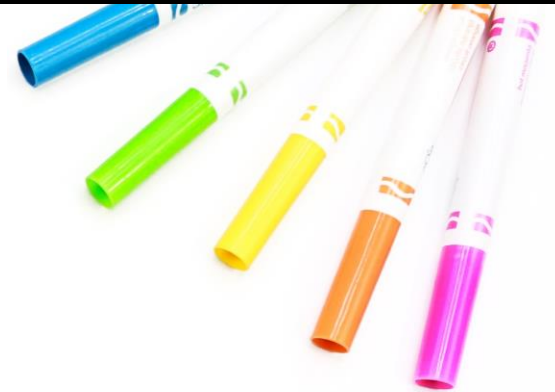
**Clue #3: Color by Code**

|             |                                  |
|-------------|----------------------------------|
| pink:       | $6+3=9$<br>$2+15=17$<br>$4+9=13$ |
| orange:     | $1+5=6$<br>$7+8=15$<br>$10+8=18$ |
| yellow:     | $7+3=10$<br>$2+1=3$<br>$4+4=8$   |
| green:      | $0+2=2$<br>$3+4=7$<br>$8+6=14$   |
| light blue: | $1+1=2$<br>$11+1=12$<br>$5=19$   |
| dark blue:  | $2+3=5$<br>$11+1=12$<br>$7+9=16$ |

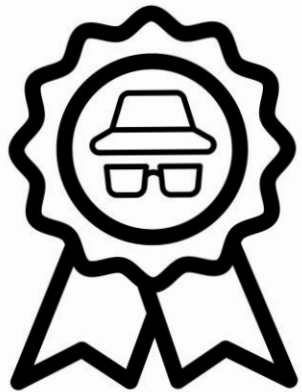
Which color was used the most in the picture? → \*Light blue: Cross out Yoko. \*Dark blue: Cross out Natalia. \*Yellow: Cross out Malik. \*Pink: Cross out Nia.



# FAST FINISHER ACTIVITY



The Detective Agency sends  
congratulations to:



Lindsay

You solved the mystery!

11/2

Date

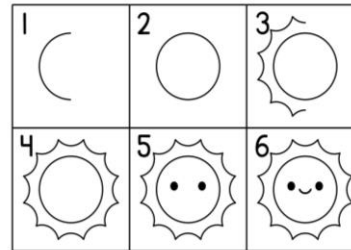
AW

Presented by:

THE LIFETIME LEARNER

LET'S DRAW...

a sun



THE LIFETIME LEARNER

LET'S DRAW...

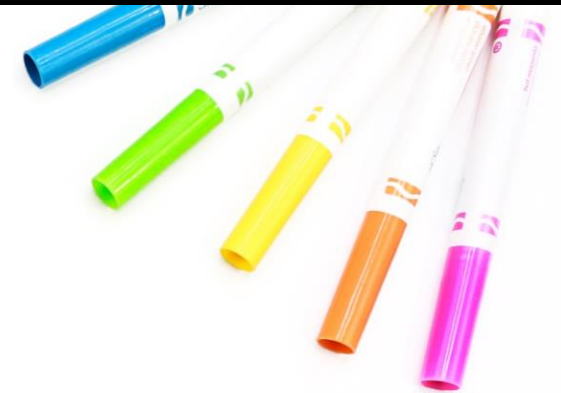
an ice cream



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
- 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.



|                                |                                |                                  |                                 |                                |                                |
|--------------------------------|--------------------------------|----------------------------------|---------------------------------|--------------------------------|--------------------------------|
| $24 \div 6$<br><del>M</del> 4  | $40 \div 4$<br><del>S</del> 10 | $48 \div 8$<br><del>L</del> 6    | $108 \div 12$<br><del>N</del> 9 | $16 \div 8$<br><del>G</del> 2  | $84 \div 7$<br><del>A</del> 12 |
| $96 \div 8$<br><del>F</del> 12 | $54 \div 6$<br><del>H</del> 9  | $121 \div 11$<br><del>E</del> 11 | $45 \div 9$<br>Y 5              | $70 \div 10$<br><del>W</del> 7 | $36 \div 12$<br><del>D</del> 3 |

Cross out the following answers:  
**2, 3, 4, 6, 7, 9, 10, 11, 12**  
What letter is left? Write it on the line.

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

THE LIFETIME LEARNER

This can be used in  
partners, small  
groups with the  
teacher, table  
groups, centers, and  
more!



# 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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Figure out the answer on each seashell. Color the seashells the same color as the bucket they belong in.  
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**Clue #3: Color by Code**

**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.

|                         |                        |                        |                         |
|-------------------------|------------------------|------------------------|-------------------------|
| 16-9<br>7<br>thumbs up  | 8+7<br>15<br>thumbs up | 10-5<br>5<br>thumbs up | 19-8<br>11<br>thumbs up |
| 3+10<br>13<br>thumbs up | 15-9<br>6<br>thumbs up | 5+2<br>7<br>thumbs up  | 14-7<br>7<br>thumbs up  |

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** **SW**

Date Presented by:

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.

|           |           |             |             |
|-----------|-----------|-------------|-------------|
| <br>Nia   | <br>Malik | <br>Yoko    | <br>Natalia |
| <br>Diego | <br>Sahil | <br>Ainsley | <br>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.

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

THE LIFETIME LEARNER

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.

|            |           |           |            |          |            |           |          |            |            |
|------------|-----------|-----------|------------|----------|------------|-----------|----------|------------|------------|
| 19         | 20        | 10        | 9          | 16       | 17         | 8         | 18       | 11         | 15         |
| 17<br>14+3 | 10<br>2+8 | 11<br>5+6 | 19<br>7+12 | 9<br>4+5 | 18<br>10+8 | 15<br>9+6 | 8<br>3+5 | 20<br>16+4 | 16<br>11+5 |

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



# KEEP THE FUN GOING!

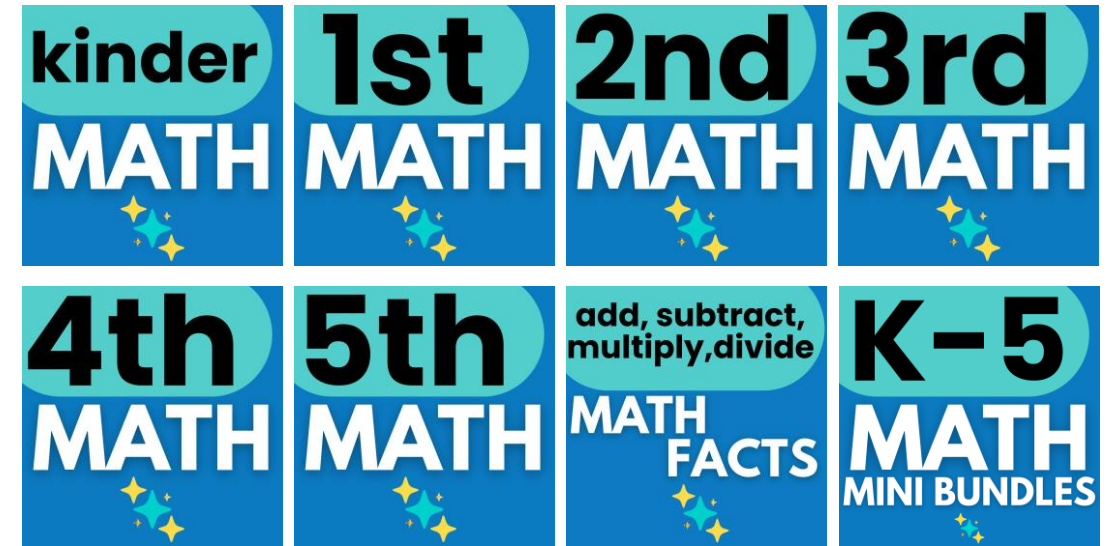
## GRAB A **READING MYSTERY**:

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!**

