

# 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: Right or Wrong?**

**Clue #3: Detective Report**  
The astronaut had spent  $8 + 4 = 12$  days in space so far. She was ready to reach her next planet, which was  $8 - 4 = 4$  lightyears away. Her spaceship was only traveling  $6 + 1 = 11$  kilometers per hour right now.

**Clue #4: The Spaceship**  
First, write the answer in each box on the space ship. Then, read what to do in the box at the bottom.

**Clue #5: Planet Sort**  
Write the answer on each planet. Then, color the planet the same color as the star it goes with. Then, look at the keys at the bottom to solve the clue.

# solve the mystery



THE LIFETIME LEARNER

Where Did the Astronaut Go?

Cross out each planet as you solve each clue.

 Mercury	 Venus
 Earth	 Mars
 Jupiter	 Saturn
 Uranus	 Neptune

I have 0 moons.

I have 0 moons.

I have 1 moon.

I have 2 moons.

I have 79 moons.

I have 82 moons.

I have 27 moons.

I have 14 moons.

Students complete a series of clues to figure out where the missing astronaut is!

# HOW TO PLAY



## What Happened?

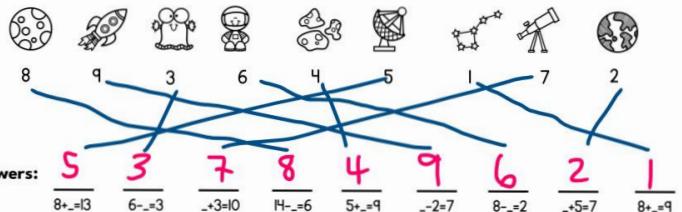
The astronaut went on a secret mission to another planet, and it's your job to figure out which planet he traveled to. Solve each clue to figure out the mystery. Every time you solve a clue, you will get closer to discovering which planet the astronaut landed on. Cross out the places the astronaut is not located each time you solve a clue. 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.



Answers: **S 3 7 8 4 9 6 2 1**  
 $8+1=9$   $6-3=3$   $7-3=4$   $10-6=4$   $5+4=9$   $7-2=5$   $8-2=6$   $4+5=9$   $8+1=9$

Letters: **O U R P L A N E T**

The astronaut is not on... 

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

### Where Did the Astronaut Go?

Cross out each planet as you solve each clue.

 Mercury	 Venus	 Earth	 Mars
 Jupiter	 Saturn	 Uranus	 Neptune

Name: \_\_\_\_\_

THE LIFETIME LEARNER

Each time students solve a clue, it will reveal what planet(s) to cross out.

When all clues are completed, the mystery of the missing astronaut 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.

**Clue #2: Right or Wrong?**  
In each box, color a thumbs up or a thumbs down to show if the equation and answer are correct.

**Clue #3: Detective Report**  
spent  $8 + 4 = 12$  days in space so far. She was ready to reach her next planet, traveling  $6 + 5 = 11$  kilometers per hour. There are 8 planets in our solar system. One planet had  $3 + 4 = 7$  rings around it, and the next planet would look like, and so on.

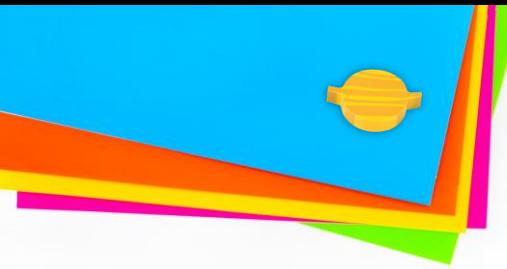
**Answers:** 5, 3  
 $8 + 13$ ,  $6 - 3$   
**Letters:** 0, 4  
**The astronaut is not on...**  
Use this decoder to help you figure out what letter is equal to each picture.

**Decoder:**  
1=N  
2=O  
3=O  
4=S  
5=O  
6=C  
7=O  
8=M  
9=A  
10=N

- Addition/Subtraction Fact Families
- Find Missing Numbers
- Space-Themed
- Error Analysis Practice

All clues focus on reviewing missing numbers!

# MULTIPLE VERSIONS



# 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: Right or Wrong?

$4 + \underline{\quad} = 11$

$2 - \underline{\quad} = 1$

$8 - \underline{\quad} = 2$

## Clue #3: Detective Report

The astronaut had spent  $\underline{8} + 4 = 12$  days in space so far. She was ready to reach her next planet,

which was  $\underline{8} - \underline{4} = \underline{4}$  lightyears away. Her spaceship was only traveling  $\underline{6} + \underline{5} = 11$  kilometers per

hour right no

$9 - \underline{1} = 8$

which made t

hoped that w

on it! The astronaut did not go to a planet with:

Write each answer above each blank.

Then, use the decoder to figure out the message.

2=O	7=0
3=O	8=M
4=S	9=A
5=O	10=N

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.

## Clue #2: Right or Wrong?

$6 + -11$

$2 - 1$

$8 - -2$

## Clue #3: Detective Report

$8 + 4 = 12$

## Clue #4: The Spaceship

First, write the answer in each box on the

## Clue #5: Planet Sort

Write the answer on each planet. Then, color the planet the same color as the star it goes with. Then, look at the keys at the bottom to solve the clue.

# 5 Clue Version

Now, find the correct key to solve the clue!

### Cross out Saturn

if this is true:

- 2 blue planets
- 2 yellow planets
- 1 green planet
- 4 red planets

### Cross out Neptune

if this is true:

- 2 blue planets
- 3 yellow planets
- 3 green planets
- 4 red planets

### Cross out Jupiter

if this is true:

- 3 blue planets
- 4 yellow planets
- 1 green planet
- 2 red planets

### Cross out Mars

if this is true:

- 2 blue planets
- 3 yellow planets
- 3 green planets
- 2 red planets

# Short & Long Options

# Print & Digital Forms

**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: 5 3 7 8 4 9 6 2 1

$8+_-3=13$     $6-3=3$     $-3+10=10$     $14-6=8$     $5+_-9=9$     $-2+7=5$     $1-2=7$

Letters: O U R P L A

The astronaut is not on...

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

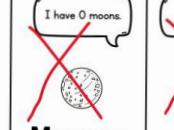
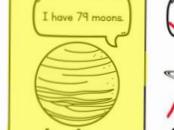
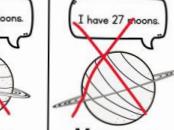
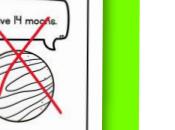
A =	G =	M =	S =	Y =
B =	H =	N =	T =	Z =
C =	I =	O =	U =	
D =	J =	P =	V =	
E =	K =	Q =	W =	
F =	L =	R =	X =	

Answers: 8 9

# MATH FACT VERSION!



**Where Did the Astronaut Go?**  
Cross out each planet as you solve each clue.

 Mercury	 Venus	 Earth	 Mars
 Jupiter	 Saturn	 Uranus	 Neptune

Name: \_\_\_\_\_

**Clue #1: Picture Decoder**  
Find each answer. Then, draw a line to each match. Last, use the decoder at the bottom to solve the mystery!

11	19	9	17	15	18	16	14
----	----	---	----	----	----	----	----

Answers: \_\_\_\_\_

Letters: \_\_\_\_\_

The culprit has... 

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

**Clue #2: Error Analysis**  
Check each suspect's work. Decide if each comparison symbol is correct. Put a check or an X next to each answer.

Darius	Destiny	Nora
--------	---------	------

15-7=8       14-9=5       20-6=13  
 9-4=5       12-5=8       16-7=9  
 19-10=9       20-8=12       8-3=5  
 16-8=7       10-4=5       12-9=4

**Clue #3: Detective Report**  
I have 20-5 pencils in my desk. I walked over to my friend's desk, and she had 19-2 pencils in desk. She told me that she had 15-3 more pencils at home. I only have 10-6 pencils at 9-4 of my pencils in my desk. Then I asked my teacher how many pencils she had. She told me she had 14-5 pencils in her desk and 3-1 at home. Then she found 14-4 more pencils so I'll have even more than my teacher!

1=A	10=E	19=Z
2=S	11=J	20=Y
3=G	12=N	21=L
4=D	13=U	22=F
5=O	14=X	23=P
	15=O	24=I
	16=B	25=M
	17=R	26=Q

**Clue #4: The School Bus**  
Write the answer to each question in each box. Then, read what to do in the box at the bottom.

8-5	7-4	13-6	8-7	9-9	6-6
J	G	B	T	R	L
6-10	6-8	3-7	11-6	12-8	4-5
E	U	E	N	X	D

Directions: First, write the answer on each window of the bus. Then, read what to do in the box at the bottom.

Cross out the boxes with the following answers:  
**14, 9, 20, 19, 13, 15, 12**  
The letters that are left will reveal a message.

The culprit is not wearing \_\_\_\_\_.

**Clue #5: Picture Reveal**  
Is each equation true or false? Put a T for true and an F for false.

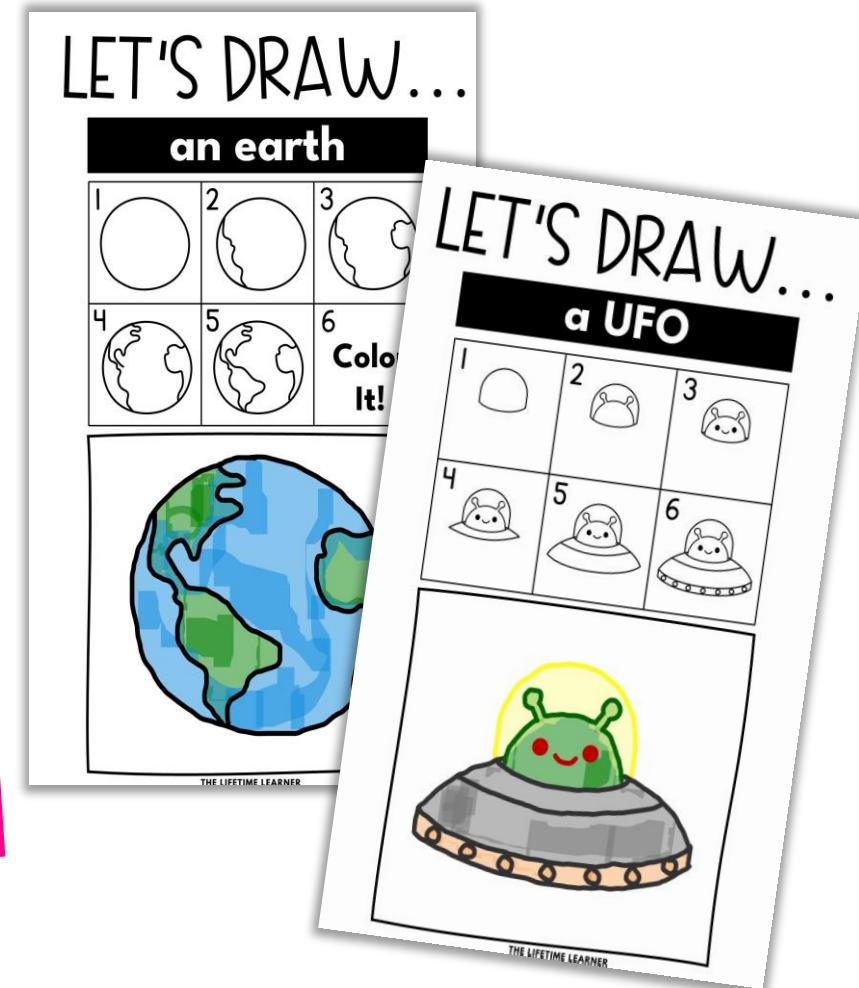
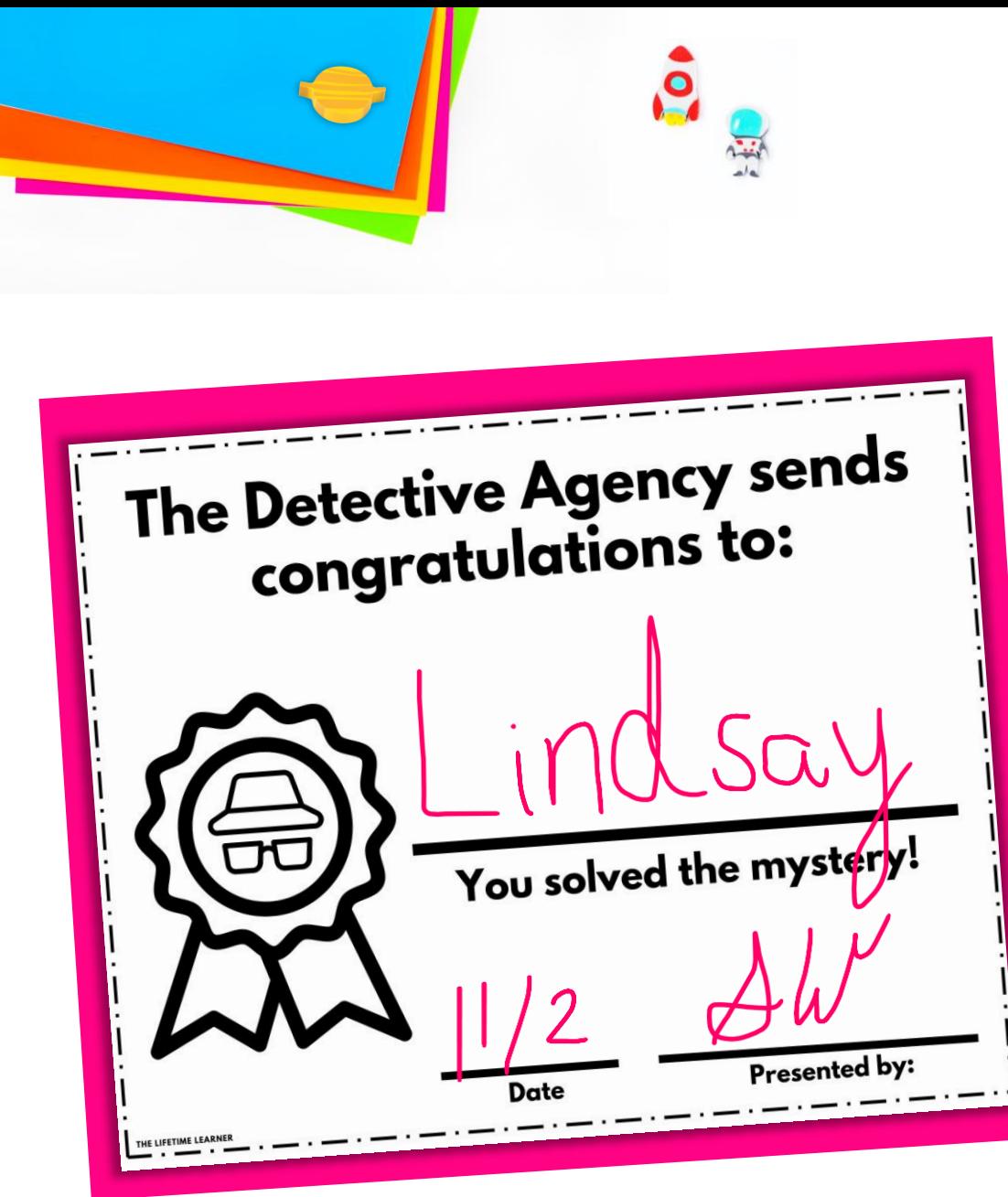
20-7=13	17-2=14	4+10=15	6+8=14	11+2=12	16-9=7
5+6=11	8+8=17	19-4=16	7+7=15	14-5=9	3+8=10

Are there more true or false equations?  
There are more true equations: The culprit is not wearing blue.  
There are more false equations: The culprit is not wearing a hat.  
There are the same amount of true and false equations: The culprit is wearing a hat.  
There is no way to tell if there are more true or false equations: The culprit is a girl.

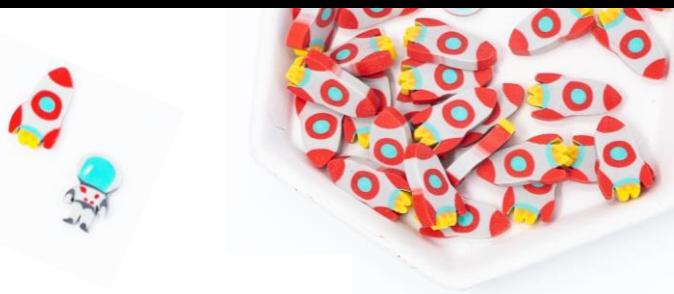
Same clues. Same mystery. Different math!

There is an extra version included that focuses on addition and subtraction facts to 20.

# FAST FINISHER ACTIVITY



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

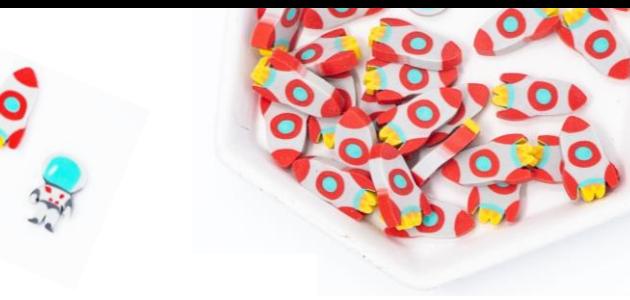
**Clue #4: The Spaceship**

First, write the answer in each box on the space ship. Then, read what to do in the box at the bottom.

$+2=4$ <del>J</del> <b>I</b>	$15-10$ <del>A</del> <b>S</b>	$19-16$ <del>L</del> <b>P</b>	$13-4$ <del>R</del> <b>F</b>
$-+7=13$ <b>I</b> <del>6</del>	$5+8$ <del>S</del> <b>3</b>	$-4=4$ <del>P</del> <b>R</b>	$11-10$ <del>F</del> <b>E</b>
$4-9$ <del>E</del> <b>W</b>	$-1=3$ <del>W</del> <b>4</b>	$2+11$ <del>N</del> <b>9</b>	$15-8$ <del>G</del> <b>7</b>

Cross out the boxes with the following answers:  
**3, 1, 4, 2, 5, 8**  
The letters that are left will reveal a message.

The planet does not have a **Ring**.



In 1st grade, this works well as a whole group lesson or in small groups at the teacher table.

First graders will need teacher support to read & understand the clues/directions

# 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!

**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: Right or Wrong?**

$$6 + \underline{\quad} = 11$$
$$\underline{\quad} - 3 = 4$$
$$8 - \underline{\quad} = 2$$

**Clue #3: Detective Report**  
The astronaut had spent  $\underline{\quad} + 4 = 12$  days in space so far. She was ready to reach her next planet.

**Clue #4: The Spaceship**  
First, write the answer in each box on the space ship. Then, read what to do in the box at the bottom.

**Clue #5: Planet Sort**  
Write the answer on each planet. Then, color the planet the same color as the star it goes with. Then, look at the keys at the bottom to solve the clue.

blue 3	yellow 4	green 5	red 6
$1 + \underline{\quad} = 7$	$\underline{\quad} + 6 = 9$	$\underline{\quad} - 3 = 5$	$6 + \underline{\quad} = 11$
6	3	5	4
$13 - \underline{\quad} = 8$	$5 + \underline{\quad} = 9$	$11 - \underline{\quad} = 8$	$\underline{\quad} - 2 = 2$
5	4	3	4
$\underline{\quad} + 8 = 13$	$14 - \underline{\quad} = 8$	$\underline{\quad} - 2 = 0$	$14 - \underline{\quad} = 6$
5	4	2	8

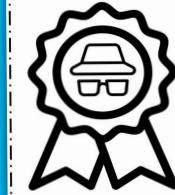
Cross out: Saturn  
If this is true:  
• 3 blue planets  
• 2 yellow planets  
• 1 green planet  
• 4 red planets

Cross out: Neptune  
If this is true:  
• 2 blue planets  
• 3 yellow planets  
• 3 green planets  
• 4 red planets

Cross out: Jupiter  
If this is true:  
• 3 blue planets  
• 4 yellow planets  
• 1 green planet  
• 2 red planets

Cross out: Mars  
If this is true:  
• 3 blue planets  
• 2 yellow planets  
• 2 green planets  
• 2 red planets

The Detective Agency sends congratulations to:

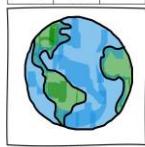


Lindsay  
You solved the mystery!  
11/2 AW  
Date Presented by:

**Where Did the Astronaut Go?**  
Cross out each planet as you solve each clue.

<del>Mercury</del> I have 0 moons.	<del>Venus</del> I have 0 moons.	<del>Earth</del> I have 1 moon.	<del>Mars</del> I have 2 moons.
<del>Jupiter</del> I have 79 moons.	<del>Saturn</del> I have 82 moons.	<del>Uranus</del> I have 27 moons.	<del>Neptune</del> I have 14 moons.

Name:

LET'S DRAW...  
an earth  
1 2 3  
4 5 6 Color It!  


LET'S DRAW...  
a UFO  
1 2 3  
4 5 6  


# solve the mystery



The Case of the Missing Astronaut

# 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

### Example of Clue 1

**Clue #1: Find It!**  
Circle the boxes that have a long E sound.  
Read the words you circled from left to right like a book to solve the clue.

not paint a place  
with wheel more coffee  
than feet bee 79  
tree sneeze 50 moons  
peek light

NOT A PLACE WITH MORE THAN 50 MOONS

THE LIFETIME LEARNER

## 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.

8 9 3 6 4 5 1 7 2

rs: 5 3 7 8 4 9 6 2 1

8+\_=13 6-\_=3 \_+3=10 11-\_=6 5+\_=9 -2+\_=7 8-\_=2 \_-5=7 8+\_=9

rs: 0 4 R P L A N E T

A = R G = M 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 astronaut is not on... Use this decoder to help you figure out what letter is equal to each picture.

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!

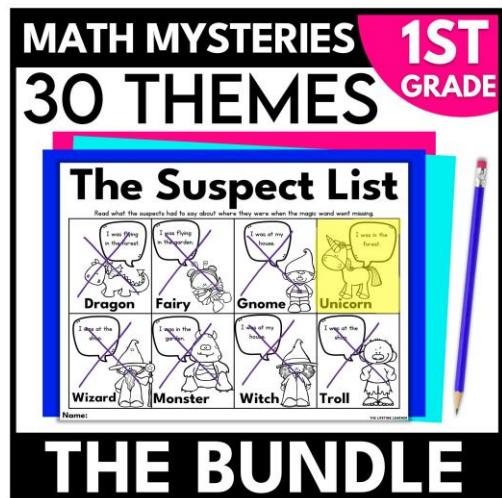


## MORE MATH MYSTERIES:

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



BUY A BUNDLE  
TO SAVE BIG!



THE BUNDLE