

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?
 $6 + _ = 11$ $_ - 3 = 4$ $8 - _ = 2$

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 $6 + 5 = 11$ kilometers per hour right now.
 $9 - 1 = 8$

Clue #4: The Spaceship
First, write the answer in each box on the spaceship. 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 Case of the Missing Astronaut

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

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

Now, find the correct key to solve the clue!

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

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

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

Key 4: Cross out Mars if this is true:
• 2 blue planets
• 3 yellow planets
• 3 green planets
• 2 red planets

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!



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

Answers: 5 3 7 8 4 9 6 2 1

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

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 =	V =
D =	J =	P =	W =	X =
E =	K =	Q =		
F =	L =	R =		

Where Did the Astronaut Go?

Cross out each planet as you solve each clue.

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

Name: _____

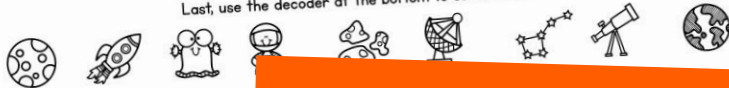
THE LIFETIME LEARNER

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.



Answers: $\frac{8}{8+3=11}$ $\frac{9}{6-3=3}$

Letters: $\frac{0}{}$ $\frac{4}{}$

The astronaut
is not on...

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

Clue #2: Right or Wrong?

$6 + _ = 11$ [5]	$_ - 3 = 4$ [7]	$8 - _ = 2$ [6]
$_ + 9 = 13$ [4]	$9 - _ = 6$ [2]	$5 + _ = 7$ [2]
$14 - _ = 7$ [9]	$_ + 3 = 11$ [8]	$5 + _ = 14$ [7]

In each box, color a thumbs up or a thumbs down to show if the equation and answer are correct.

How many answers were correct?

1 Correct = Cross out Saturn.
2 Correct = Cross out Venus.
3 Correct = Cross out Earth.
4 Correct = Cross out Mars.

5 Correct = Cross out Jupiter.
6 Correct = Cross out Neptune.
7 Correct = Cross out Uranus.
8 Correct = Cross out Mercury.

Clue #3: Detective Report

pent $_ + 4 = 12$ days in space so far. She was ready to reach her next planet,
lightyears away. Her space

traveling $6 + _ = 11$ kilometers per
er planets. One planet had
net had $_ + 4 = 7$ rings around it,
the next planet would look like, and

1=N	6=C
2=0	7=0
3=0	8=M
4=S	9=A
5=0	10=N

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

All clues focus on reviewing missing numbers!

MULTIPLE VERSIONS



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.

Clue #2: Right or Wrong?

Clue #3: Detective Report

3 Clue Version

The astronaut did not go to a planet with:

Write each answer above each blank.
Then, use the decoder to figure out the message.

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

Clue #4: The Spaceship

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!

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

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.

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


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.

Short & Long Options

MATH FACT VERSION!



Where Did the Astronaut Go?

Cross out each planet as you solve each clue.

I have 0 moons. Mercury	I have 0 moons. Venus	I have 1 moon. Earth	I have 2 moons. Mars
I have 79 moons. Jupiter	I have 82 moons. Saturn	I have 27 moons. Uranus	I have 14 moons. 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.

Answers: $12-7$ $8-6$ $11-7$ $7-3$ $9-8$ $2-3$ $5-4$ $8-6$

Letters: _____

The culprit has... _____

Use this decoder to help you figure 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

☐ $15-7=8$
☐ $9-4=5$
☐ $19-10=9$
☐ $16-8=7$

Destiny

☐ $14-9=5$
☐ $12-5=8$
☐ $20-8=12$
☐ $10-4=5$
☐ $6-3=6$

Nora

☐ $20-6=13$
☐ $16-7=9$
☐ $8-3=5$
☐ $12-8-4$

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 her desk. She told me that she had $15-3$ more pencils at home. I only have $10-6$ pencils at home. When I asked my other friend how many pencils he had in his desk, he only had $9-4$ 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 in her desk! When I go to the store next, I think I'll buy 6 pencils so I'll have even more than my teacher.

Clue #4: The School Bus

Write the answer to each question in each box.

$8-5$	$7-4$	$13-6$	$8-7$	$9-9$	$6-6$
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.

Clue #5: Picture Reveal

Is each equation true or false? Put a T for true and an F for false.

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

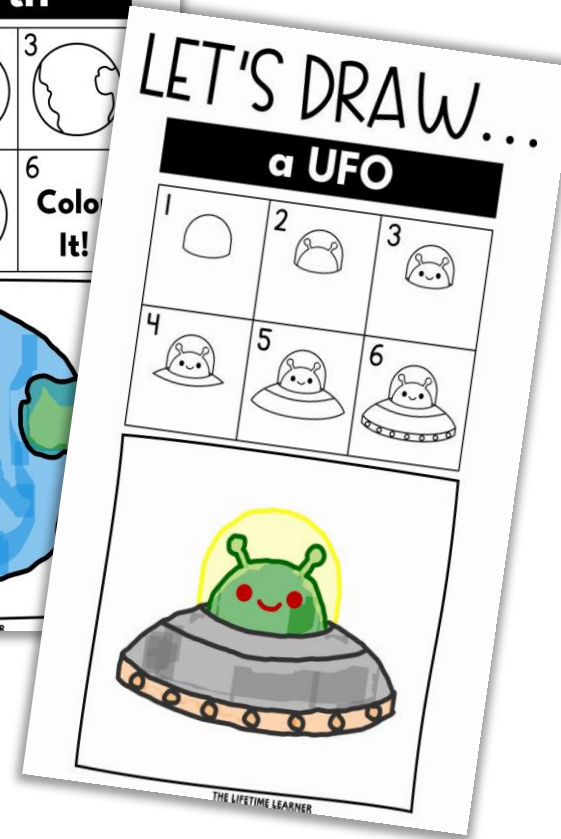
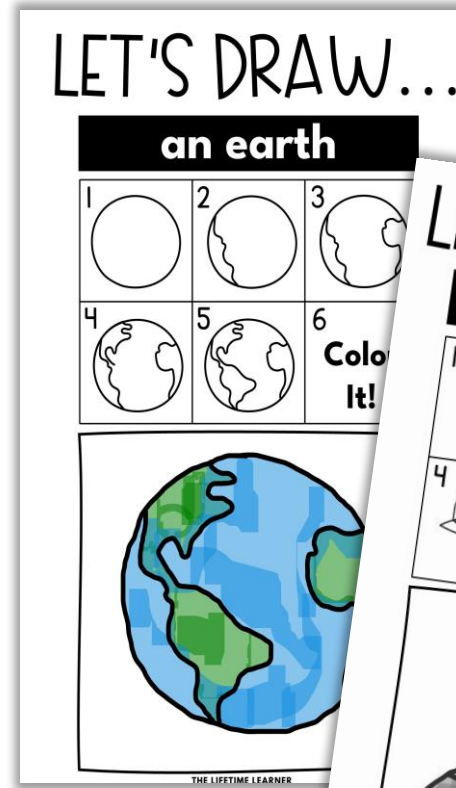
Are there more true or false equations?

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.

$+2=4$ J 2	$15-_=10$ A 5	$19-_=16$ L 3	$13-_=4$ R9
$-+7=13$ I6	$5+_=8$ S 3	$-4=4$ P 8	$11-_=10$ F 1
$4+_=9$ E 5	$-1=3$ W 4	$2+_=11$ N9	$15-_=8$ G7

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.

THE LIFETIME LEARNER

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
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Clue #2: Right or Wrong?

$6 + \underline{\quad} = 11$	$\underline{\quad} - 3 = 4$	$8 - \underline{\quad} = 2$
<input type="checkbox"/> 5	<input type="checkbox"/> 7	<input type="checkbox"/> 6

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

Now, find the correct key to solve the clue!

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: • 2 blue planets • 3 yellow planets • 3 green planets • 2 red planets
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The Detective Agency sends congratulations to:

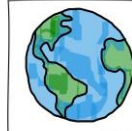
 **Lindsay**
You solved the mystery!

11/2 SW
Date Presented by:

LET'S DRAW...
an earth

1	2	3
4	5	6

Color It!



LET'S DRAW...
a UFO

1	2	3
4	5	6



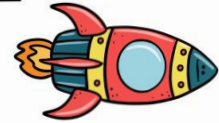
Where Did the Astronaut Go?

Cross out each planet as you solve each clue.

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

Name: _____

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

Math

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	 wheel	 place
 feet	 bee	 soap	
 tree	 sneeze	 peek	 light

Write the phrase on the line. Cross the wrong planets off your list.

NOT A PLACE WITH MORE THAN 50 MOONS



























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	14-_=6	5+_=9	-2=7	8-_=2	-5=7	8+_=9
s: O	U	R	P	L	A	N	E	T

The astronaut is not on...

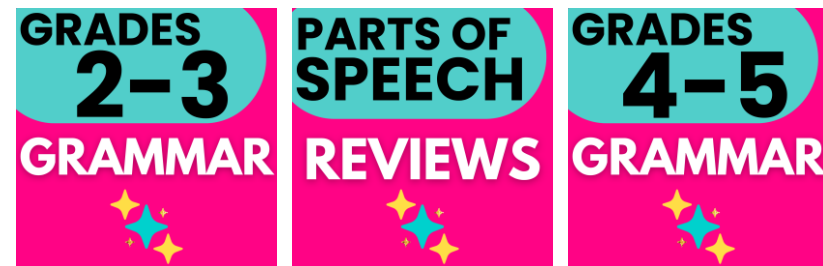
Use this decoder to help you figure out what letter is equal to each picture.

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 = 	

KEEP THE FUN GOING!

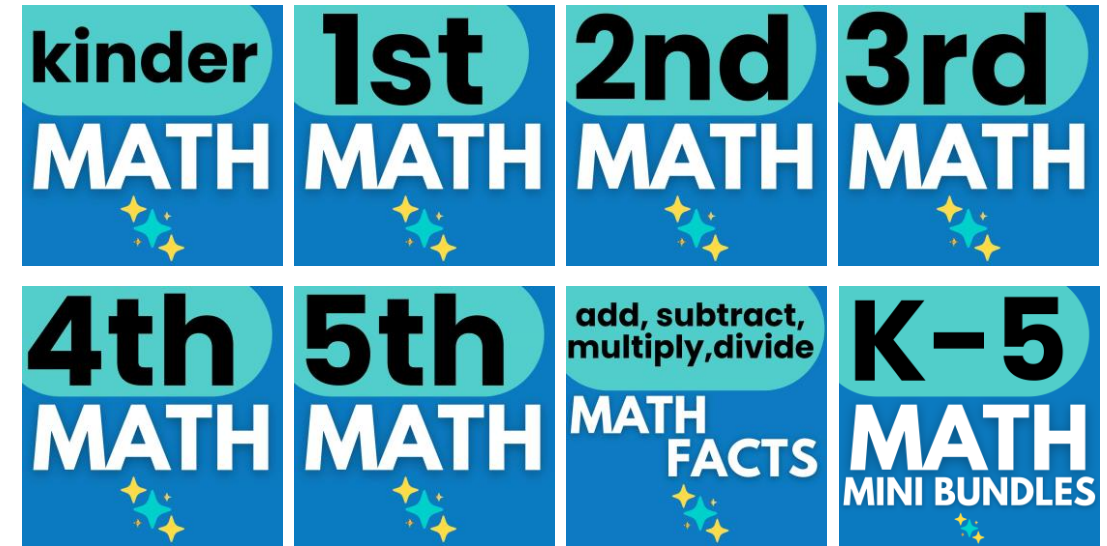
GRAB A READING MYSTERY:

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!

