

WHAT IS THIS?

Clue #1: Fill in the Blank
Write the answer. Then write the word under it to find the clue.

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

Clue #3: Draw More
Fill in the blank side with the number of dots needed to make ten.

Clue #4: The Spaceship
Decide if each pair of numbers makes ten.

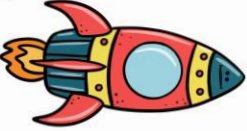
Clue #5: Planet Sort
Write the answer on each planet. Then, color the planet the same color as the star it goes with. Then, look at the keys at the bottom to solve the clue.

3 4+ <u> </u> =10	4 7+ <u> </u> =10	5 -+5=10	4 6+ <u> </u> =10	6 -+4=10
5 5+ <u> </u> =10	4 -+6=10	3 +7=10	5 5+ <u> </u> =10	6 +4=10

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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solve the mystery



The Case of the Missing Astronaut

THE LIFETIME LEARNER

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

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: Fill in the Blank

Write the answer. Then write the word under it to find the clue.

1= not	How many more do you need to make ten? [][][][][] 5	How many more do you need to make ten? [][][][] 6	How many more do you need to make ten? [][][][][] 1
2= hot			
3= planet			
4= rings			
5= he			
6= is	How many more do you need to make ten? [][][][] 8	How many more do you need to make ten? [][][] 7	How many more do you need to make ten? [][][][][] 3
7= our			
8= on	on	our	planet
9= with			
10= cold			

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: _____

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: Fill in the Blank

Write the answer. Then write the word under it to find the clue.

- 1= not
- 2= hot
- 3= planet
- 4= rings
- 5= he
- 6= is
- 7= our
- 8= on
- 9= with
- 10= cold

Clue #2: Right or Wrong?

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



Jupiter

$7 + _ = 10$

The answer is 3.



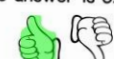
$3 + _ = 10$

The answer is 5.



$4 + _ = 10$

The answer is 6.



Uranus

$6 + _ = 10$

The answer is 2.



$2 + _ = 10$

The answer is 8.



$9 + _ = 10$

The answer is 1.



Neptune

$0 + _ = 10$

The answer is 4.



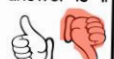
$2 + _ = 10$

The answer is 7.



$9 + _ = 10$

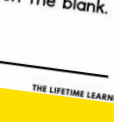
The answer is 9.



The planet that got all thumbs down should be crossed out.

Clue #3: Draw More

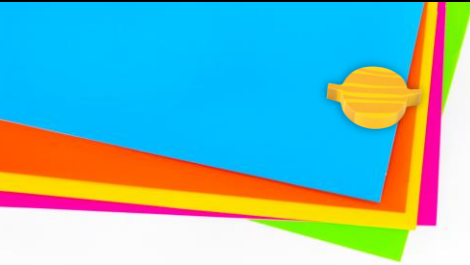
Fill in the blank side with the number of dots needed to make ten.



All clues focus on making ten!

- Pairs of Numbers that Make Ten
- Using Ten Frames to Make Ten
- Space-Themed
- Error Analysis Practice

MULTIPLE VERSIONS



Clue #1: Fill in the Blank
Write the answer..

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

Clue #3: Draw More
Fill in the blank side with the number of dots needed to make ten.

3 Clue Version

Clue #1: Fill in the Blank
Write the answer..

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

Clue #3: Draw More
Fill in the blank side with the number of dots needed to make ten.

Clue #4: The Spaceship
Decide if each pair of

Clue #5: Planet Sort
Write the answer on each planet. Then, color the planet the same color as the star it goes with.

5 Clue Version

Print & Digital Forms

Clue #1: Fill in the Blank
Write the answer..

How many more do you need to make ten?

5	6	1
---	---	---

he 15

How many more do you need to make ten?

8	7
---	---

on our

Clue #1: Fill in the Blank
Write the answer. Then write the word under it to find the clue.

1= not	How many more do you need to make ten?	How many more do you need to make ten?	How many more do you need to make ten?
2= hot	5		
3= planet	he		
4= rings			
5= he			
6= is			
7= our			
8= on			
9= with			
10= cold			

Short & Long Options

EASY & HARD OPTIONS

1. Students do the math on each clue page.
2. There is minimal reading on every page.
3. Students are handed a card showing what to cross out after completing each page.

1. Students do the math on each clue page.
2. Teachers help students read the words on each clue page to figure out the mystery "hints".
3. Students use "hints" to cross out wrong answers.

The Easy Version of the activity consists of several clue cards. Clue #1: 'Fill in the Blank' with a math problem. Clue #2: 'Right or Wrong?' with math problems and thumbs up/down icons. Clue #3: 'Draw More' with ten-frame dot patterns. Clue #4: 'Right or Wrong?' with math problems and thumbs up/down icons. Clue #5: 'Right or Wrong?' with math problems and thumbs up/down icons. A 'Where Did the Astronaut Go?' card shows a grid of planets with speech bubbles indicating the number of moons, and a key for the number of rings.






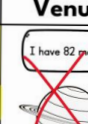
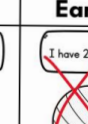
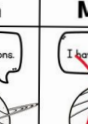
Easy Version

The Hard Version of the activity is similar to the Easy Version but includes a 'Hints' card. The hints card lists: 1= not, 2= hot, 3= planet, 4= rings, 5= he, 6= is, 7= our, 8= on, 9= with, 10= cold. The 'Where Did the Astronaut Go?' card in the Hard Version shows a grid of planets with speech bubbles indicating the number of moons, and a key for the number of rings.

Hard Version

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... _____

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

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

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 $14-7$. I gave $9-4$ 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 _____ 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.

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.

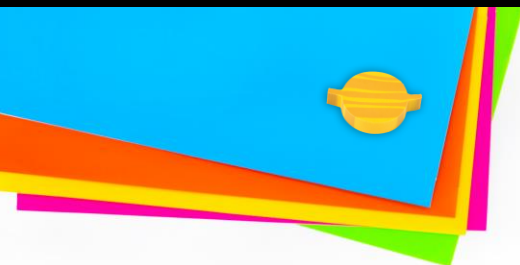
 $20-7=13$	 $17-2=14$	 $4+10=15$	 $6+8=14$	 $11+2=12$	 $16-9=7$
 $5+6=11$	 $8+8=17$	 $19-4=16$	 $7+7=15$	 $14-5=9$	 $3+8=10$

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



The Detective Agency sends congratulations to:



Lindsay

You solved the mystery!


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

THE LIFETIME LEARNER

LET'S DRAW...
an earth

1	2	3
4	5	6

Color It!



THE LIFETIME LEARNER

LET'S DRAW...
a UFO

1	2	3
4	5	6




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: The Spaceship 

Decide if each pair of numbers makes ten.

- Yes: Keep it
- No: Cross it out

2 and 7 X ring	4 and 4 X moon	3 and 8 X star	4 and 5 X spot
1 and 8 X spot	5 and 5 ring	9 and 2 X moon	6 and 3 X star

The planet does not have a

What word is left? Write it on the blank. Ring

THE LIFETIME LEARNER

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

Kindergarteners 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: Fill in the Blank
Write the answer. Then write the word under it to find the clue.

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

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.

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.

$7 + \underline{\quad} = 10$ The answer is 3.	$3 + \underline{\quad} = 10$ The answer is 5.	$4 + \underline{\quad} = 10$ The answer is 6.
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$6 + \underline{\quad} = 10$	$7 + \underline{\quad} = 10$	$5 + \underline{\quad} = 10$	$4 + \underline{\quad} = 10$	$5 + \underline{\quad} = 10$
$4 + \underline{\quad} = 10$	$3 + \underline{\quad} = 10$	$5 + \underline{\quad} = 10$	$4 + \underline{\quad} = 10$	$6 + \underline{\quad} = 10$

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!

Date 11/2 Presented by: AW

LET'S DRAW...
an earth

Color It!

LET'S DRAW...
a UFO

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: _____

solve the mystery

The Case of the Missing Astronaut

WHAT MAKES MATH MYSTERIES UNIQUE?

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








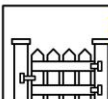

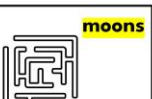
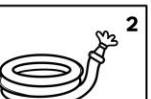
They have brand-new clues, focus on math skills, and even feature a different conclusion to the mystery.

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

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




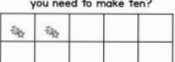
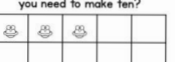
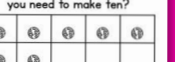
 not	 0	 a	 place
 with	 more	 79	
 than	 50	 moons	 2

Write the phrase on the line. Cross the wrong planets off your list.
not a place with more than 50 moons

Example of Clue 1

Math

Clue #1: Fill in the Blank
Write the answer. Then write the word under it to find the clue.

1= not	How many more do you need to make ten?  5	How many more do you need to make ten?  6	How many more do you need to make ten?  1
2= hot	<u>he</u>	<u>is</u>	<u>not</u>
planet			
ings			
7= our	How many more do you need to make ten?  8	How many more do you need to make ten?  7	How many more do you need to make ten?  3
8= on	<u>on</u>	<u>our</u>	<u>planet</u>
9= with			
10= cold			

KEEP THE FUN GOING!

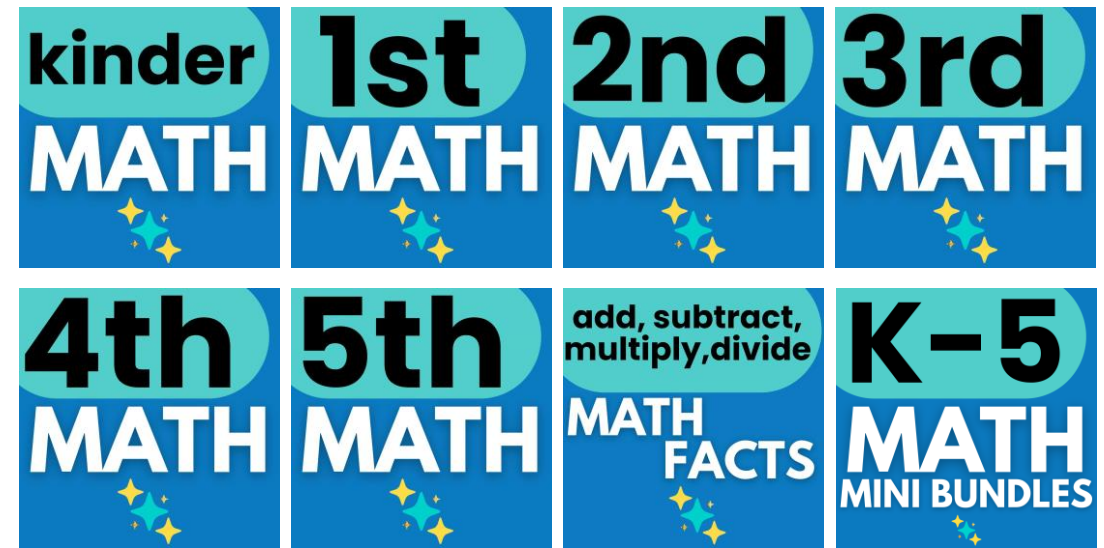
GRAB A **READING MYSTERY**:

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!

