

WHAT IS THIS?



Clue #1: Picture Decoder
Write the repeated addition sentence 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?
Answer the questions right or wrong. Use the key to find out what the picture is.

Clue #3: Detective Report
The astronaut had spent $7+4$ days in space so far. She was ready to reach her next planet, which was $2+4$ lightyears away. Her spaceship was only traveling $9+18$ kilometers per hour right now.

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.

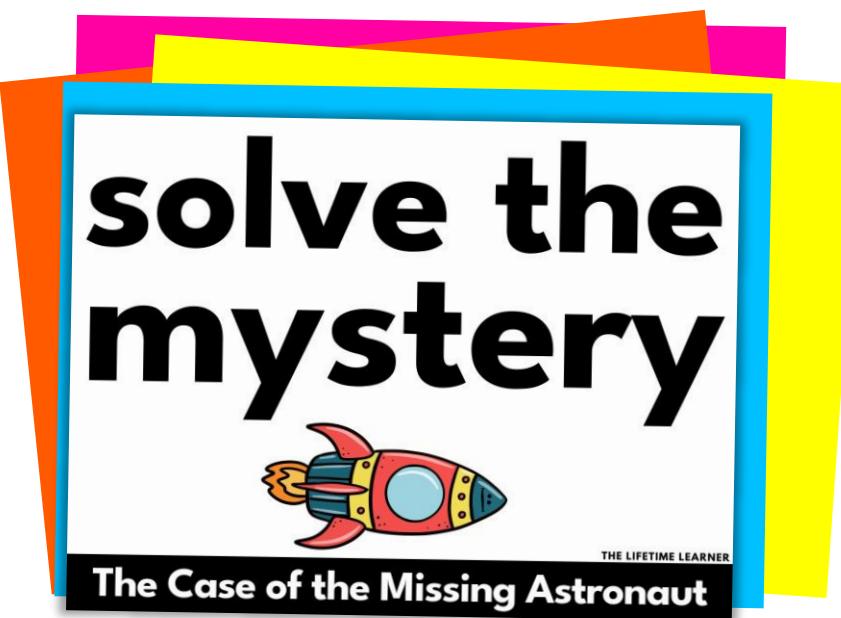
Cross out the boxes: 12, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

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



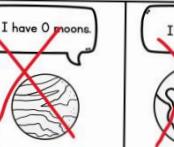
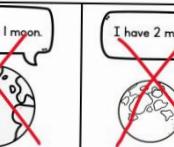
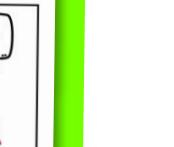
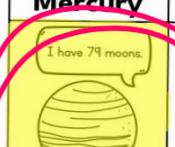
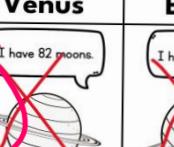
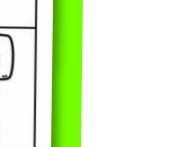
solve the mystery

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

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!



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: 12 16 14 6 10 8 18 11 3

Letters: O U R P L A N E T

The astronaut is not on... 

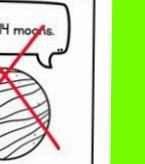
Use this decoder to help you figure out what letter is equal to each picture.

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.

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

Answers: $\frac{35}{7 \times 5}$ $\frac{64}{8 \times 8}$

Letters: o u

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?

$24 \div 3 = \underline{\hspace{2cm}}$ 8	$49 \div 7 = \underline{\hspace{2cm}}$ 7	$36 \div 6 = \underline{\hspace{2cm}}$ 6
$54 \div 9 = \underline{\hspace{2cm}}$ 7	$12 \div 4 = \underline{\hspace{2cm}}$ 2	$14 \div 7 = \underline{\hspace{2cm}}$ 2
$40 \div 8 = \underline{\hspace{2cm}}$ 5	$8 \div 1 = \underline{\hspace{2cm}}$ 8	$72 \div 8 = \underline{\hspace{2cm}}$ 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

$16 \div 4 \times 4 = \underline{\hspace{2cm}}$ days in space so far. She was ready to reach her next planet, traveling $10 \times 6 = \underline{\hspace{2cm}}$ kilometers per hour. There are $60 \div 10 = \underline{\hspace{2cm}}$ planets in the solar system. One planet had $50 \div 5 = \underline{\hspace{2cm}}$ rings around it, and the next planet would look like, and so on.

Answers:

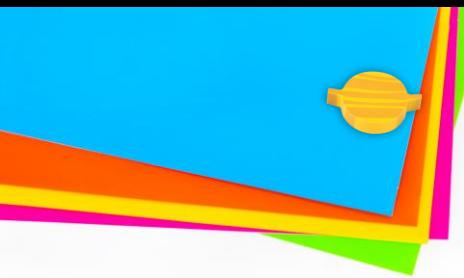
21=N	63=C
24=0	60=0
35=0	16=M
18=S	9=A
50=0	72=N

THE LIFETIME LEARNER

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

All clues focus on reviewing math facts!

MULTIPLE VERSIONS



Clue #1: Picture Decoder
Write the repeated addition sentence 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 $7+1$ days in space so far. She was ready to reach her next planet, $4+2$, which was $2+2$ hours away. She had $6+5$ kilometers per hour right now. $15+9+6$ which made the $10+8$ hoped that $11+0$ on it! The astronaut did not go to a planet with: $8+7+13+15+4$. $N+O$ $M+O+O+N+S$. Write each answer above each blank. Then, use the decoder to figure out the message.

3 Clue Version

Clue #1: Picture Decoder
Write the repeated addition sentence 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
First, write the answer in each box on the right. Then, draw a line to each match. Last, use the decoder at the bottom to solve the clue.

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

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: $\frac{12}{7+5}$ $\frac{16}{8+8}$ $\frac{H}{11+3}$ $\frac{6}{4+2}$ $\frac{10}{5+5}$ $\frac{8}{7+1}$ $\frac{18}{12+6}$ $\frac{I}{3+8}$ $\frac{3}{1+2}$

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

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: $\frac{12}{7+5}$ $\frac{16}{8+8}$ $\frac{H}{11+3}$ $\frac{6}{4+2}$ $\frac{10}{5+5}$ $\frac{8}{7+1}$ $\frac{18}{12+6}$ $\frac{I}{3+8}$ $\frac{3}{1+2}$

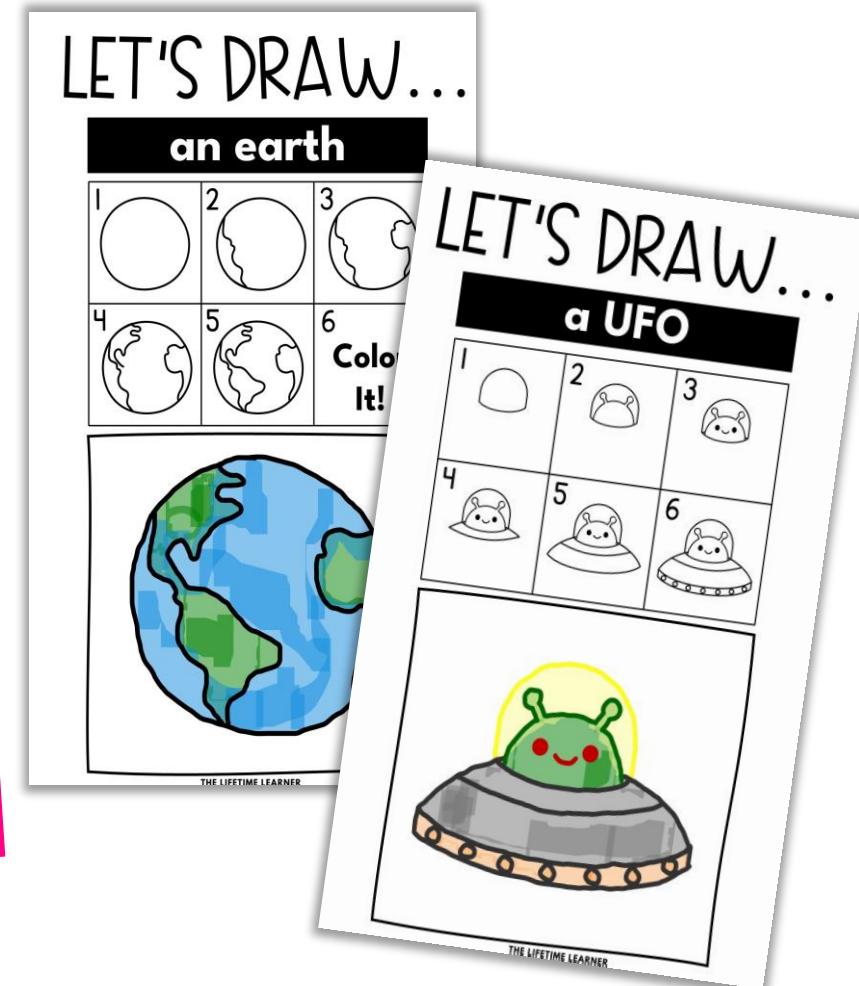
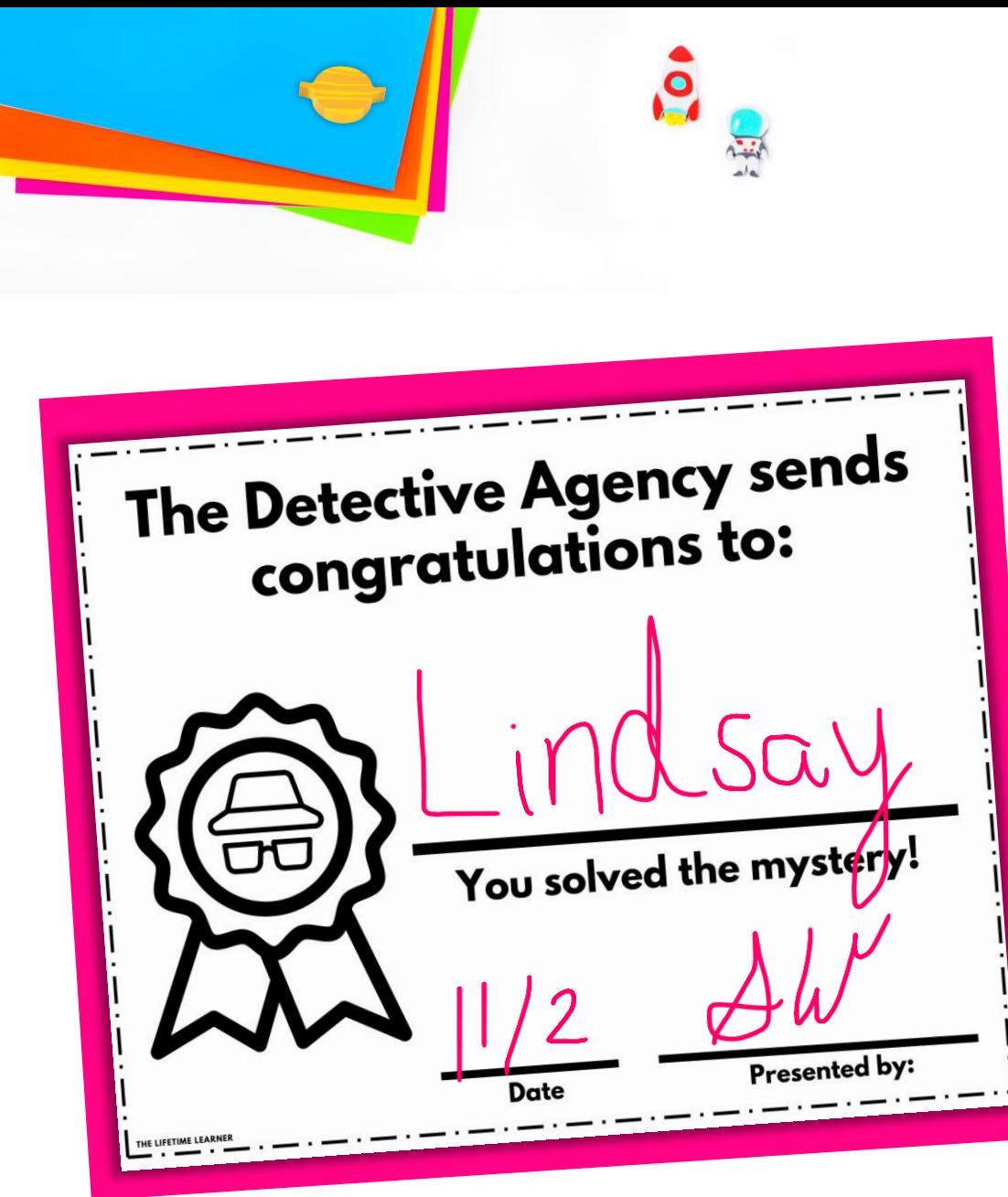
Letters: O U R P L A N E T

The astronaut is not on...

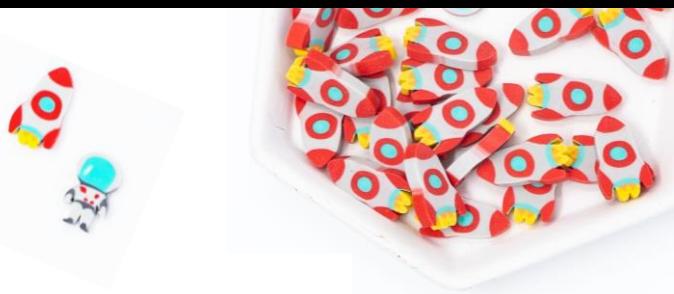
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B =	H =	N =	T =	Z =
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D =	J =	P =	V =	
E =	K =	Q =	W =	
F =	L =	R =	X =	

FAST FINISHER ACTIVITY

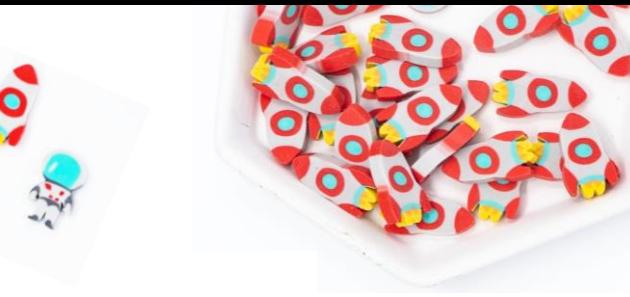
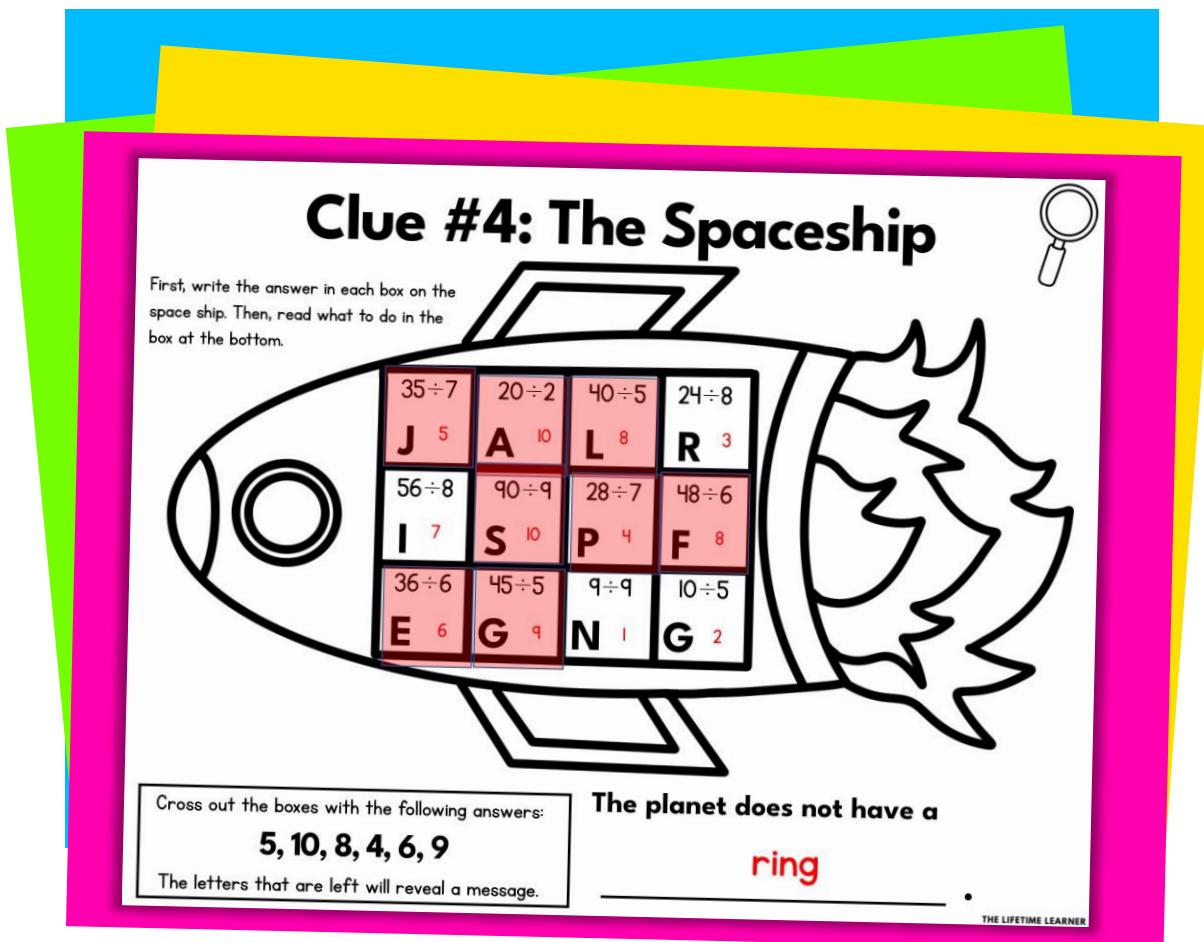


If students finish early, give them a certificate of completion and a directed drawing to complete while others continue working.



MATH MYSTERY BENEFITS

- No Prep
- Print and Digital Versions
- 3 & 5 Clue Options
- Fun and Engaging
- Easy to Differentiate
- Encourages Critical Thinking
- Aligns with Math Standards
- Perfect for Review Days



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!

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?
 $3+3+3+3=12$ $8+8+8=22$ $5+5+5+5+5=30$

Clue #3: Detective Report
The astronaut had spent $8+4=12$ 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 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.

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

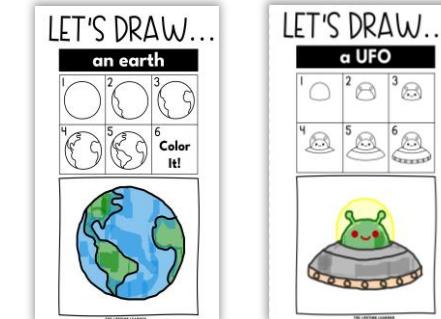
Cross out Neptune if this is true:
• 2 blue planets
• 3 yellow planets
• 3 green planets
• 2 red planets



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

Example of Clue 1

Clue #1: Find It!

Circle the boxes where the part of speech has been identified correctly. Cross out the wrong boxes. Then, read the words at the TOP of the boxes you circled from left to right like a book to solve the clue.

not	not	0
Sun is an adjective.		
with	with	a
Blast is a verb.		
more	more	place
Bright is an adjective.		
than	than	79
Orbit is a verb.		
50	50	moons
He is a pronoun.		
moons	moons	2
Twinkling is an adjective.		
noun	noun	2
Mars is a verb.		

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

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.

6	8	16	18	10	12	3	14	11

$$\begin{array}{r} 12 \\ 7+5 \\ \hline \end{array} \quad \begin{array}{r} 16 \\ 8+8 \\ \hline \end{array} \quad \begin{array}{r} 14 \\ 11-3 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ 4+2 \\ \hline \end{array} \quad \begin{array}{r} 10 \\ 5+5 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ 7+1 \\ \hline \end{array} \quad \begin{array}{r} 18 \\ 12+6 \\ \hline \end{array} \quad \begin{array}{r} 11 \\ 3+8 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ 1+2 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ \hline \end{array} \quad \begin{array}{r} U \\ \hline \end{array} \quad \begin{array}{r} R \\ \hline \end{array} \quad \begin{array}{r} P \\ \hline \end{array} \quad \begin{array}{r} L \\ \hline \end{array} \quad \begin{array}{r} A \\ \hline \end{array} \quad \begin{array}{r} N \\ \hline \end{array} \quad \begin{array}{r} E \\ \hline \end{array} \quad \begin{array}{r} T \\ \hline \end{array}$$

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

KEEP THE FUN GOING!

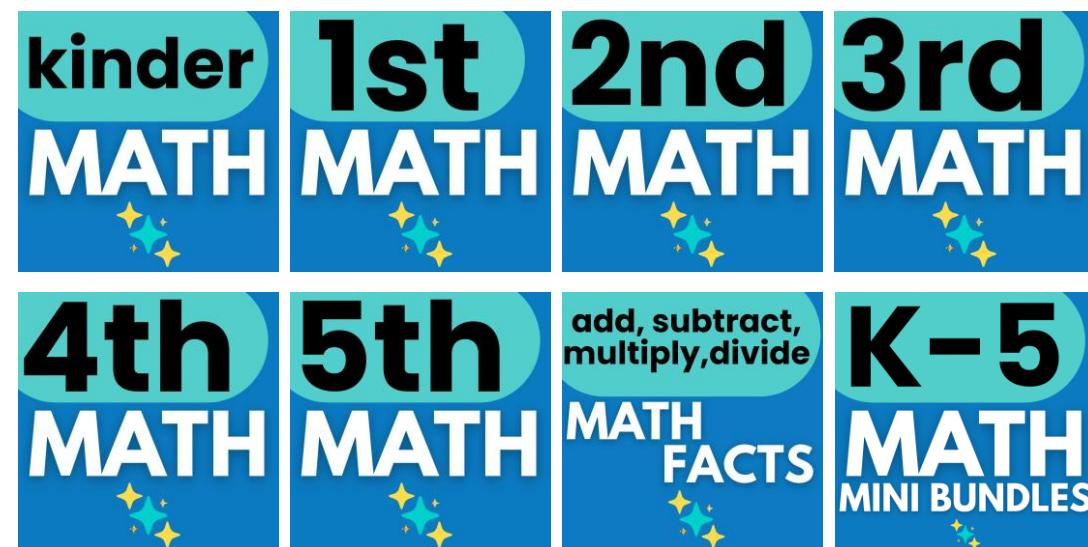
GRAB A READING MYSTERY:

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!

