

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?

Clue #3: Detective Report
The astronaut had spent 7×7 days in space so far. She was ready to reach her next planet, which was 2×2 lightyears away. Her spaceship was only traveling 9×9 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.

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

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 landed on. 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.



Answers: $\frac{12}{7 \div 5}$ $\frac{16}{8 \div 8}$ $\frac{14}{11 \div 3}$ $\frac{6}{4 \div 2}$ $\frac{10}{5 \div 5}$ $\frac{8}{7 \div 1}$ $\frac{18}{12 \div 6}$ $\frac{11}{3 \div 8}$ $\frac{3}{1 \div 2}$

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 =

Where Did the Astronaut Go?

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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: 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: 0 U

The astronaut
is not on...

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

Clue #3: Detective Report

spent $\frac{16}{4 \times 4}$ days in space so far. She was ready to reach her next planet,
lightyears away. Her space

traveling $\frac{60}{10 \times 6}$ kilometers per
er planets. One planet had
net had $\frac{50}{5 \times 10}$ rings around it,
the next planet would look like, and

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

Clue #2: Right or Wrong?

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

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

All clues focus on reviewing math facts!

MULTIPLE VERSIONS



Print & Digital Forms

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, which was $2+2$ hours away. She had to travel $6+5$ kilometers per hour right now. She had $9+6$ planets around it, which made 11 planets in total. She hoped that would be C.

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

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

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
 $7+5$ $8+8$ $11+3$ $4+2$ $5+5$ $7+1$ $12+6$ $3+8$ $1+2$

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.

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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
 $7+5$ $8+8$ $11+3$ $4+2$ $5+5$ $7+1$ $12+6$ $3+8$ $1+2$

Letters: O U R P L A N E T

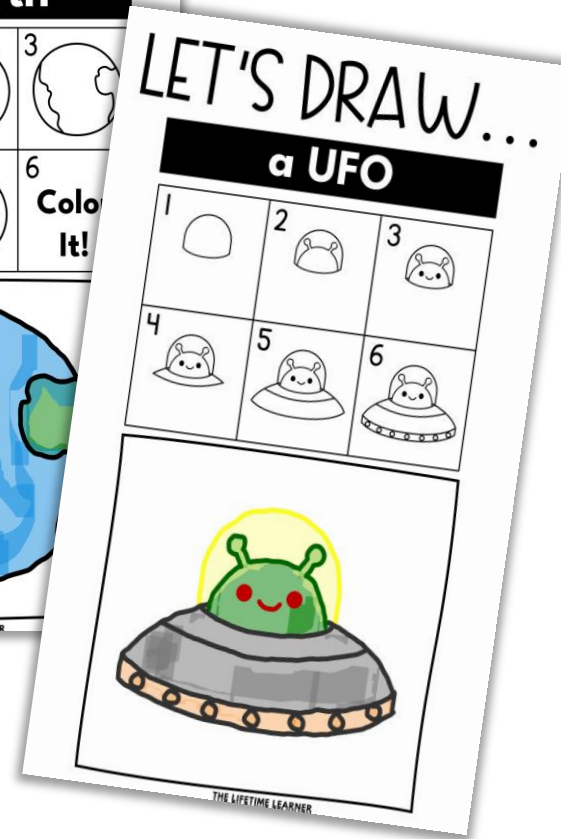
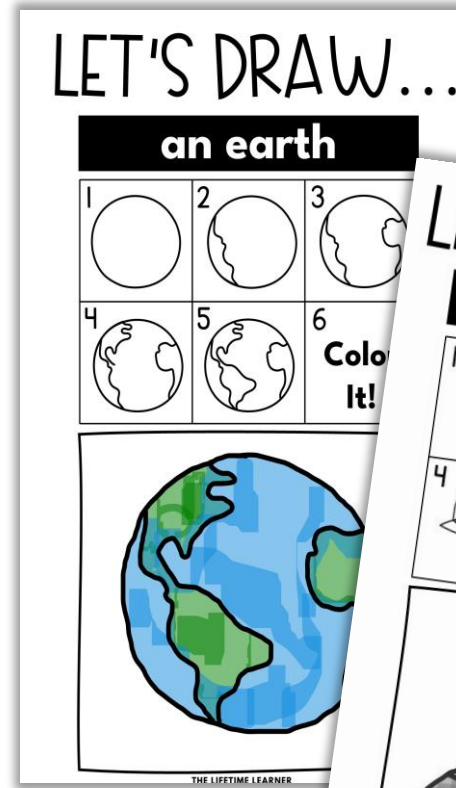
The astronaut is not on...

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 =
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Short & Long Options

FAST FINISHER ACTIVITY



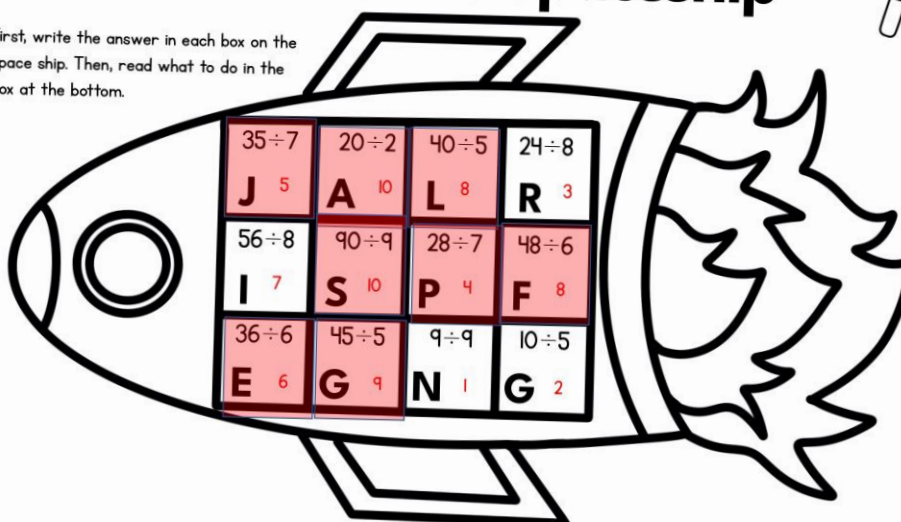
If students finish early,
give them a
certificate of completion
and a directed drawing
to complete while others
continue working.

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

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.



$35 \div 7$ J 5	$20 \div 2$ A 10	$40 \div 5$ L 8	$24 \div 8$ R 3
$56 \div 8$ I 7	$90 \div 9$ S 10	$28 \div 7$ P 4	$48 \div 6$ F 8
$36 \div 6$ E 6	$45 \div 5$ G 9	$9 \div 9$ N 1	$10 \div 5$ G 2

Cross out the boxes with the following answers:
5, 10, 8, 4, 6, 9
The letters that are left will reveal a message.

The planet does not have a
ring

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!

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 $\underline{8} + 4 = 12$ 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.

blue 0-5	yellow 6-10	green 11-15	red 16-20
$9+9$ 18	$2+1$ 3	$7+4$ 11	$11+3$ 14
$5+10$ 15	$4+3$ 7	$3+2$ 5	$5+4$ 9
$2+6$ 8	$10+8$ 18		

Now, find the correct key to solve the clue!

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

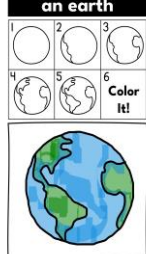
The Detective Agency sends congratulations to:

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
Color It!



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

THE LIFETIME LEARNER

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 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 Sun is an adjective	 noun Sun is an adjective	 a Helmet is a noun	 place Me is a pronoun
 with Blast is a verb	 more Bright is an adjective	 noun Telescope is an adjective	 79 Mars is a verb
 than Orbit is a verb	 50 He is a pronoun	 moons Twinkling is an adjective	 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

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

12	16	14	6	10	8	18	11	3
7+5	8+8	11+3	4+2	5+5	7+1	12+6	3+8	1+2

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!

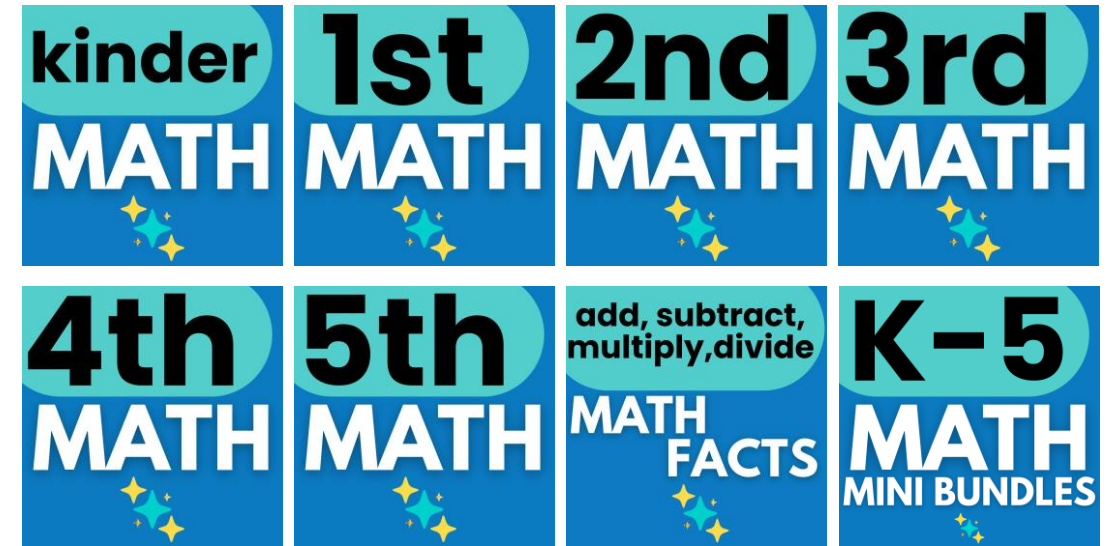
GRAB A **READING MYSTERY**:

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!**

