

WHAT IS THIS?

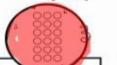
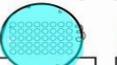
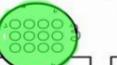
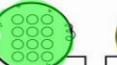
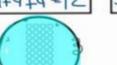
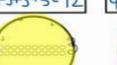
Clue #1: Picture Decoder
Write the repeated addition sentence on each line. Then, draw a line to each match. Last, use the decoder at the bottom to solve the clue.

Clue #2: Right or Wrong?

Clue #3: Detective Report
The astronaut had spent $7 \times 7 = 49$ days in space so far. She was ready to reach her next planet, which was $2 \times 2 = 4$ lightyears away. Her spaceship was only traveling $9 \times 9 = 81$ 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.

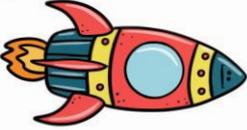
Clue #5: Planet Sort
Write the repeated equation below each array. Then, color the planet the same color as the star it goes with. Use the keys at the bottom to solve the clue.

 $6+6+6=18$	 $5+5+5+5=20$	 $4+4+4=12$	 $3+3+3+3=12$	 $4+4+4+4+4=20$
 $6+6=12$	 $6+5+5+5=25$	 $10+10+10+10=40$	 $10+10=20$	 $9+9=18$

Now, find the correct key to solve the clue.

Cross out Saturn if this is true: <ul style="list-style-type: none">3 blue planets2 yellow planets1 green planet4 red planets	Cross out Neptune if this is true: <ul style="list-style-type: none">2 blue planets3 yellow planets2 green planets4 red planets	Cross out Jupiter if this is true: <ul style="list-style-type: none">3 blue planets4 yellow planets1 green planet2 red planets	Cross out Mars if this is true: <ul style="list-style-type: none">2 blue planets3 yellow planets3 green planets2 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.

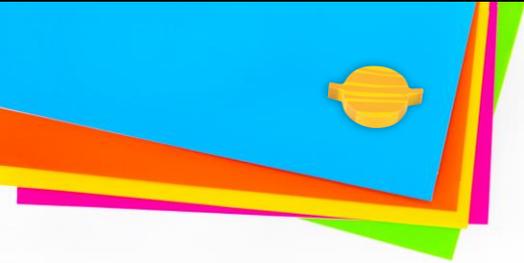
I have 0 moons.  Mercury	I have 0 moons.  Venus	I have 1 moon.  Earth	I have 2 moons.  Mars
I have 79 moons.  Jupiter	I have 82 moons.  Saturn	I have 27 moons.  Uranus	I have 14 moons.  Neptune

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: 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.

12 35 16 14 4 18 9 21 8

Answers: 18 16 21 12 4 35 14 8 9

6+6+6 4+4+4+4 7-7-7 6+6 1+1+1 5+5+5+5 2+2+2+2+2+2+2 1+1+1+1+1 3+3+3

Letters: O U R P L A N E T

The astronaut is not on...

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?

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: 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.



12 35 16

Answers: $\frac{18}{6+6+6}$ $\frac{16}{4+4+4}$

Letters:

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 $7+7$ **14** days in space so far. She was ready to reach her next planet, ... lightyears away. Her spaceship was traveling $9+9$ **18** kilometers per ... planet. One planet had **40** rings around it, ... the next planet would look like, and

$15=0$ $12=N$
 $18=0$ $40=0$
 $14=M$ $8=N$
 $4=S$

Clue #2: Right or Wrong?

$3+3+3+3=12$	$8+8+8=22$	$5+5+5+5+5=30$
$10+10+10=30$	$4+4+4+4+4=24$	$9+9=20$
$2+2+2+2=8$	$6+6+6+6=24$	$7+7+7+7+7=33$

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?

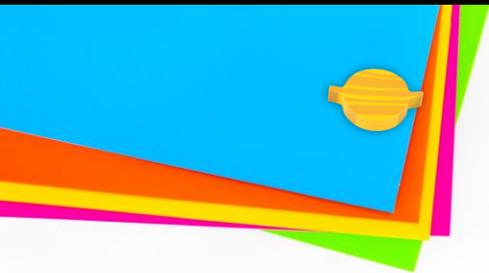
1 Correct = Cross out Saturn.
2 Correct = Cross out Venus.
3 Correct = Cross out Earth.
4 Correct = Cross out Mars.

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

- Repeated Addition
- Arrays
- Space-Themed
- Error Analysis Practice

All clues focus on repeated addition!

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 $7 \times 7 = 49$ days in space so far. She was ready to reach her next planet which was $2 \times 2 = 4$ lightyears away. Her spaceship was only traveling $9 \times 9 = 81$ kilometers per hour right now. It had $4 \times 4 = 16$ planets around it, which made $12 = N$ planets in total. She hoped that $14 = M$ planets would look like, and $4 = S$ planets would be like Saturn.

3 Clue Version

The astronaut did not go to a planet with:

12	18	14	40	15	8	4
N	O	M	O	N	S	

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

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 spaceship.

Clue #5: Planet Sort
Write the repeated equation below each arrow. Then, color the planet the same color as the star it goes with. Use the keys at the bottom to solve the clue.

5 Clue Version

Now, find the correct key to solve the clue!

<p>Cross out Saturn if this is true:</p> <ul style="list-style-type: none"> 3 blue planets 2 yellow planets 1 green planet 4 red planets 	<p>Cross out Neptune if this is true:</p> <ul style="list-style-type: none"> 2 blue planets 3 yellow planets 3 green planets 4 red planets 	<p>Cross out Jupiter if this is true:</p> <ul style="list-style-type: none"> 3 blue planets 4 yellow planets 1 green planet 2 red planets 	<p>Cross out Mars if this is true:</p> <ul style="list-style-type: none"> 2 blue planets 3 yellow planets 3 green planets 2 red planets
--	--	---	---

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.

12 35 16 14 4 18 9 21 8

Answers: 18 16 21 12 4 35 14 8 9

Letters: O U R P L A

The astronaut is not on...

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 repeated addition sentence on each line. Then, draw a line to each match. Last, use the decoder at the bottom to solve the clue.

12 35 16 14 4 18 9 21 8

Answers: 18 16 21 12 4 35 14 8 9

Letters: O U R P L A

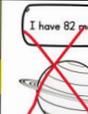
The astronaut is not on...

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 = 🌌	

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: $12 \div 7$, $8 \div 6$, $11 \div 7$, $7 \div 3$, $9 \div 8$, $2 \div 3$, $5 \div 4$, $8 \div 6$

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

- $14 - 9 = 5$
- $12 - 5 = 8$
- $20 - 8 = 12$
- $10 - 4 = 5$
- $6 - 6 = 0$

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 _____ pencils so I'll have even more than my teacher.

Key:
1=A, 2=S, 3=G, 4=D, 5=O, 10=E, 11=J, 12=N, 13=U, 14=X, 15=Q, 16=B, 17=R, 18=V, 19=Z, 20=Y, 21=L, 22=F, 23=P, 24=I, 25=M, 26=Q

Clue #4: The School Bus
Write the answer to each question in each box.

8+5	7+1	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 _____.

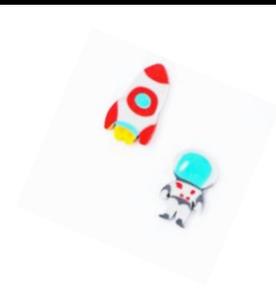
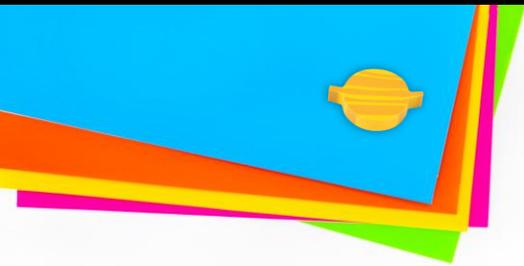
Clue #5: Picture Reveal
Is each equation true or false? Put a T for true and an F for false.

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.

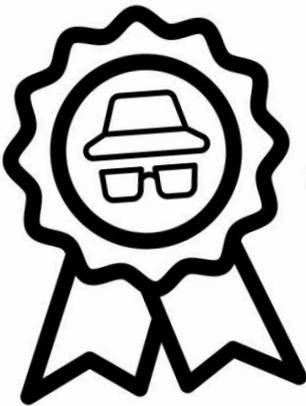
Same clues. Same mystery. Different math!

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

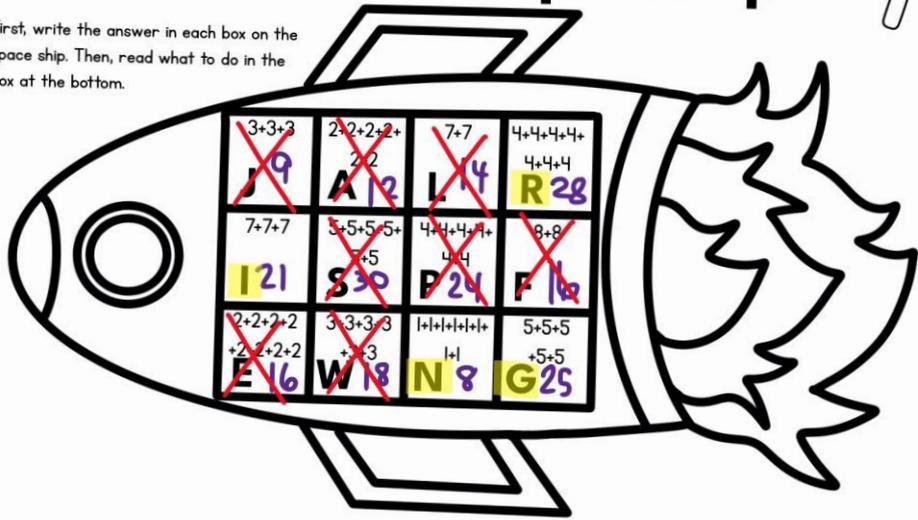
If students finish early, give them a **certificate of completion** and a **directed drawing** to complete while others continue working.

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 

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



3+3+3 J 9	2+2+2+2 A 12	7-7 L 4	4+4+4+4 R 28
7+7+7 I 21	5+5+5+5 S 30	4+4+4+4 P 24	8+8 F 16
2+2+2+2 E 16	3+3+3+3 W 18	1+1+1+1+1 N 8	5+5+5 G 25

Cross out the boxes with the following answers:
12, 9, 14, 30, 24, 16, 18
The letters that are left will reveal a message.

The planet does not have a
Ring

THE LIFETIME LEARNER

In 2nd grade, this works well in small groups or in partners.

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?

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

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 repeated equation below each array. Then, color the planet the same color as the star it goes with. Use the keys at the bottom to solve the clue.

Blue 40 Yellow 20 Green 12 Red 18

$6+6+6=18$ $5+5+5+5+5=25$ $4+4+4=12$ $3+3+3+3=12$ $4+4+4+4+4=20$

$6+6=12$ $5+5+5+5=20$ $10+10+10+10=40$ $10+10=20$ $9+9=18$

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
---	---	--	--

The Detective Agency sends congratulations to:

Lindsay

You solved the mystery!

Date 11/2 Presented by: AW

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
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

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

not The first dog dug the deepest hole.	0 The boy laying down is the sickest of the three kids.	a The floor lamp is taller than the table lamp.
with The second man is richer than the first man.	more The scissors are sharper than the pencil.	79 The saddest kid is not crying right now.
than The girl with the microphone is the loudest.	50 The second cake is fancier than the first cake.	moons The slippery floor is wetter than the sponge.

2
The chilliest kid is in the middle.

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: 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.

12	35	16	14	4	18	9	21	8
6+6+6	4+4+4	7+7+7	6+6	1+1+1+1	5+5+5+5	2+2+2+2+2	1+1+1+1+1	3+3+3

PLANET

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!

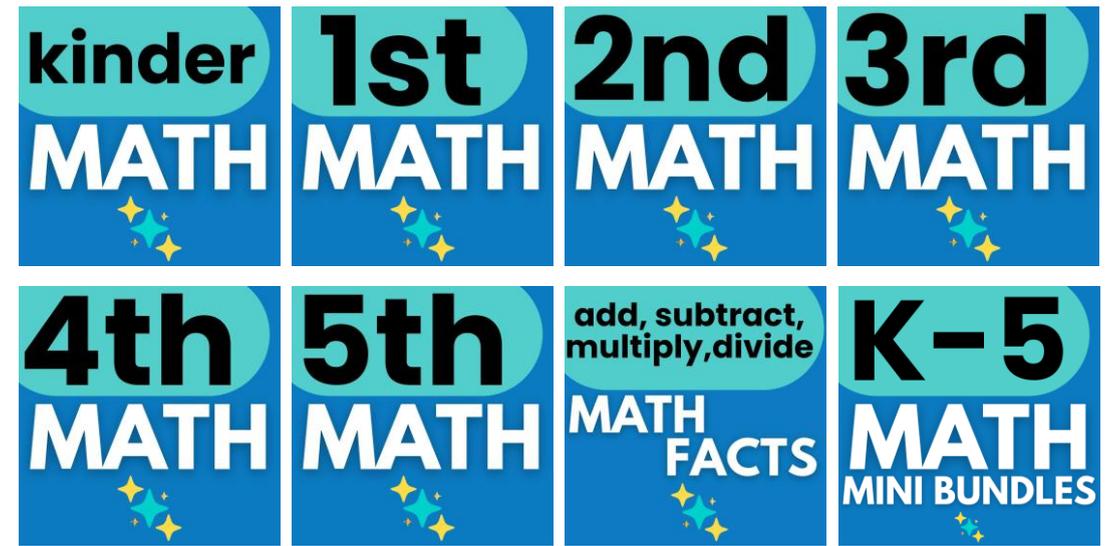
GRAB A **READING MYSTERY**:

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!**

